Collaborative Testing Services, Inc.

Plastics Interlaboratory Testing Program

Web Summary Report #70, 2nd Qtr 2009

Analysis	Analysis Name
704	Tensile Stress at Yield, Plastic Samples
705	Tensile Stress at Break, Plastic Samples
706	Percent Elongation at Yield, Plastic Samples
708	Modulus of Elasticity, Plastic Samples
730	Tensile Stress at Yield, ISO Plastic Samples
731	Tensile Stress at Break, ISO Plastic Samples
732	Percent Strain at Yield, ISO Plastic Samples
734	Modulus of Elasticity, ISO Plastic Samples
720	Flexural Modulus
721	Flexural Stress at 5% Strain
722	Flexural Stress at Yield
736	Flexural Modulus, ISO Plastic Samples
737	Flexural Stress at 3.5% Strain
738	Flexural Stress at Yield
790	Notched Izod Impact
792	Notched Charpy Impact, ISO Plastic Samples
710	Deflection Temp. Under Flexural Load (1.82 MPa)
711	Deflection Temp. Under Flexural Load (0.455 MPa)
712	Temp. of Deflection Under Flexural Load 1.80 MPa
715	Vicat Softening Temperature (Rate A)
716	Vicat Softening Temperature (Rate B)
750	Flow Rates of Thermoplastics (2.16 kg load)

Analysis	Analysis Name
718	Specific Gravity
755	Moisture Content of Plastics
757	Ash Content in Thermoplastics
770	Tensile Stress at Yield, Film Samples
771	Tensile Stress at Break, Film Samples
772	Percent Elongation at Yield, Film Samples
773	Percent Elongation at Break, Film Samples
774	Thickness of Film Tensile Samples
775	Secant Modulus at 1% Strain
776	Secant Modulus at 2% Strain
780	Coefficient of Friction: Static
781	Coefficient of Friction: Kinetic
782	Tear Resistance of Films
785	Optical Properties of Films - Percent Haze
786	Optical Properties of Films: % Transmittance

About CTS and the Plastics Interlaboratory Program

Founded in 1971, Collaborative Testing Services, Inc. (CTS) is a privately-owned company that specializes in interlaboratory tests for a wide variety of industries, including rubber, plastics, fasteners and metals, containerboard, paper, color and wine, as well as proficiency tests for forensic laboratories. All of the tests are designed to assist organizations in achieving and maintaining quality control objectives. Labs from the U.S., as well as more than 50 countries currently participate in CTS programs.

Collaborative Testing Services initiated the Collaborative Reference Program for PLASTICS in 1992 at the request of industry, ASTM committee D-20 members, and accrediting bodies. Additional test methods are always under review and are incorporated into the program when possible.

The program allows laboratories to compare periodically the level and uniformity of their testing with that of other participating laboratories. It also provides a realistic assessment of the state of plastics testing proficiency.

For each test there is a summary of the statistics for the analysis and a graphical representation of the data. Also shown are notes concerning specific laboratory results, as well as significant findings related to instrument types or other testing variations. Refer to the KEY FOR SUMMARY REPORT for an explanation of terms and guidelines for interpreting the results.

For further information contact:

COLLABORATIVE TESTING SERVICES, INC.
21331 Gentry Drive
Sterling, VA 20166
Phone: (571) 434-1925
FAX: (571) 434-1937
e-mail: plastics@cts-interlab.com

Office Hours: 8:00 a.m. - 4:30 p.m. ET

Key for Web Summary Report (Page 1 of 2)

WebCode — Assigned laboratory identification number (temporary) used to ensure lab confidentiality while permitting a lab to locate its data in the Plastics Web Summary Report published on the CTS web site. The WebCode for each analysis can be found in the Performance Analysis Report mailed to each participant.

Lab Mean — The average of the test results obtained by the participant.

Grand Mean — The average of the LAB MEANS for all included participants. Laboratories flagged with an X or an M (see DATA FLAG column) are excluded from the GRAND MEAN.

Difference from Grand Mean — The difference of the LAB MEAN from the GRAND MEAN.

Between-Lab Standard Deviation — An indication of the precision of measurement between the laboratories. The greater the spread of the LAB MEANS about the GRAND MEAN, the larger the BETWEEN-LAB STANDARD DEVIATION (and vice versa).

Comparative Performance Value — An indication of how well a laboratory's results agree with the other participants. The CPV is a ratio indicating the number of standard deviations from the GRAND MEAN. The closer a laboratory's COMPARATIVE PERFORMANCE VALUE is to zero, the more consistent its results are with the other participants' data (and vice versa). The critical value for each CPV will vary depending on the number of labs participating in a test.

Inst Code — A code indicating the manufacturer of the instrument used to perform the test (see separate INSTRUMENT CODE LIST for each test section) if instruments are tracked.

Data Flag — DATA FLAGS are assigned based on the simultaneous analysis of both samples tested. Refer to the following chart for an explanation of each symbol:

DATA FLAG	STATISTICALLY INCLUDED/EXCLUDED	ACTION REQUIRED
*	INCLUDED	**CAUTION** - review testing procedure and monitor future results. Results fall outside 95% ellipse but within a 99% ellipse that is calculated but not drawn.
X	EXCLUDED	**STOP** - immediate review of data and/or testing procedure is required. Results fall outside the 99% ellipse. See specific notes following each table for more information on why the data is excluded.
M	EXCLUDED	**PROCEED** - lab was unable to report data for at least one sample.

Graph - For each laboratory, the LAB MEAN for the first sample (x-axis) is plotted against the LAB MEAN for the second sample (y-axis) with each point representing a laboratory. The horizontal and vertical cross-hairs are the GRAND MEANS for each sample. When 20 or more laboratories are in the statistics, an ellipse is also drawn so that 95% of the time a randomly selected laboratory will be included inside the ellipse. Plotted data flags are explained above.

Common Problems Highlighted in Footnotes

1. ***Extreme data*** - The laboratory's results for one or both samples are so inconsistent with those of the other participants that the lab mean(s) fall outside the plot. The participant is advised to immediately review his data and/or testing procedure.

2. ***Systematic bias*** - The laboratory's results are either consistently high or low for both samples when compared to the other participants (the plotted point falls near the top or bottom of the ellipse). This indicates that the participant is performing the test with a constant bias. Causes of systematic errors include improper calibration, the particular make/model of equipment or a modification to the testing procedure.

3. ***Inconsistency in testing between samples/sample sets*** - The laboratory's results indicate that there are differences in the way the two samples tested (the plotted point falls to the side of the ellipse). This type of error may be attributed to the analyst deviating from the procedure when testing one of the samples or a material interaction occurrence with the instrument or room conditions. The inconsistency is reflected in the CPVs for the two samples, such as a +1.5 CPV for sample A and a -2.2 CPV for sample B. CTS also will specify if the laboratory's data for one sample are high/low compared to the other participants. If this inconsistency is slight, the lab's plotted point will be an * that falls on the edge of the ellipse.

4. ***Inconsistency in testing within a sample*** - The laboratory's within-lab standard deviation for a specified sample is high when compared to the other participants, often causing the lab's plotted point to fall outside of the ellipse.

Labs flagged with an * are not typically included in the footnotes of a data table. These labs may locate their position in the control ellipse and use the definitions above to help identify the type of testing error. An * should serve as a caution flag, a "yellow light", to a lab. If this error is repeated in future rounds, a lab may need to stop and review its testing procedures. The initial data flag is not cause for alarm. Interlaboratory tests conducted at regular intervals permit a lab to recognize trends in testing.

Results Summary for Web Summary Report #70

Plastics Interlaboratory Testing Program

Analysis 704 - Tensile Stress at Yield				
Material: ABS/PC	Sample F77	9,283.54	psi	1.40% COV
	Sample F78	9,230.39	psi	1.71% COV
Analysis 705 - Tensile Stress at Break				
Material: ABS/PC	Sample F77	8,167.89	psi	8.06% COV
	Sample F78	8,371.52	psi	8.78% COV
Analysis 706 - Percent Elongation at Yield				
Material: ABS/PC	Sample F77	4.3704	Percent	3.66% COV
	Sample F78	4.3669	Percent	3.74% COV
Analysis 708 - Modulus of Elasticity				
Material: ABS/PC	Sample F77	388.73	ksi	6.40% COV
	Sample F78	386.52	ksi	6.41% COV
Analysis 730 - Tensile Stress at Yield, ISO Method				
Material: ABS	Sample C77	47.438	MPa	1.30% COV
	Sample C78	47.332	MPa	1.17% COV
Analysis 731 - Tensile Stress at Break, ISO Method				
Material: ABS	Sample C77	34.525	MPa	4.38% COV
	Sample C78	34.507	MPa	4.53% COV
Analysis 732 - Strain at Yield, ISO Method				
Material: ABS	Sample C77	2.6790	Percent	2.62% COV
	Sample C78	2.6916	Percent	2.34% COV
Analysis 734 - Modulus of Elasticity, ISO Method				
Material: ABS	Sample C77	2,328.41	MPa	4.39% COV
	Sample C78	2,315.45	MPa	3.80% COV
Analysis 720 - Flexural Modulus				
Material: ABS	Sample J77	359.42	ksi	4.62% COV
	Sample J78	373.21	ksi	4.65% COV
Analysis 721 - Flexural Stress at 5% Strain				
Material: ABS	Sample J77	10,825.57	psi	3.05% COV
	Sample J78	11,163.22	psi	3.00% COV
Analysis 722 - Flexural Stress at Yield				
Material: ABS	Sample J77	10,838.24	psi	2.92% COV
	Sample J78	11,175.58	psi	3.08% COV
Analysis 736 - Flexural Modulus				
Material: HIPS	Sample K77	2,334.02	MPa	3.17% COV
	Sample K78	2,331.29	MPa	2.96% COV
Analysis 737 - Flexural Stress at 3.5% Strain				
Material: HIPS	Sample K77	47.985	MPa	2.12% COV
	Sample K78	47.709	MPa	1.88% COV

Results Summary for Web Summary Report #70

Plastics Interlaboratory Testing Program

Analysis 738 - Flexural Stress at Yield				
Material: HIPS	Sample K77	47.964	MPa	2.35% COV
	Sample K78	47.780	MPa	2.09% COV
Analysis 790 - Notched Izod Impact				
Material: ABS	Sample S77	6.8597	ft.lbf/in	7.30% COV
	Sample S78	4.1830	ft.lbf/in	4.81% COV
Analysis 792 - Notched Charpy Impact				
Material: ABS	Sample M77	30.526	kJ/m^2	4.40% COV
	Sample M78	29.289	kJ/m^2	4.85% COV
Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)				
Material: ABS	Sample E77	78.469	Degrees C	1.58% COV
	Sample E78	83.281	Degrees C	1.37% COV
Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)				
Material: PP	Sample G77	77.801	Degrees C	4.14% COV
	Sample G78	72.218	Degrees C	3.38% COV
Analysis 712 - Temperature of Deflection (1.80 MPa)				
Material: ABS/PC	Sample N77	77.717	Degrees C	1.74% COV
	Sample N78	90.838	Degrees C	1.45% COV
Analysis 715 - Vicat Temperature (Rate A)				
Material: ABS	Sample H77	104.02	Degrees C	0.991% COV
	Sample H78	102.64	Degrees C	0.797% COV
Analysis 716 - Vicat Temperature (Rate B)				
Material: ABS	Sample R77	105.89	Degrees C	1.11% COV
	Sample R78	104.59	Degrees C	0.997% COV
Analysis 750 - Flow Rate (190C or 230C/2.16 kg)				
Material: PP	Sample X77	2.8459	grams/10 mins	4.87% COV
	Sample X78	11.923	grams/10 mins	5.35% COV
Analysis 718 - Specific Gravity				
Material: ABS	Sample T77	1.0451	sp gr 23/23 C	0.166% COV
	Sample T78	1.0443	sp gr 23/23 C	0.162% COV
Analysis 757 - Ash Content				
Material: PP	Sample L77	39.781	Percent	0.416% COV
	Sample L78	31.406	Percent	0.675% COV
Analysis 770 - Tensile Stress at Yield, Films				
Material: LDPE	Sample B77	1,954.34	psi	30.9% COV
	Sample B78	2,133.58	psi	24.9% COV
Analysis 771 - Tensile Stress at Break, Films				
Material: LDPE	Sample B77	3,029.77	psi	10.7% COV
	Sample B78	3,563.78	psi	8.39% COV

Results Summary for Web Summary Report #70

Plastics Interlaboratory Testing Program

Analysis 772 - Elongation at Yield, Films				
Material: LDPE	Sample B77	135.22	Percent	165% COV
	Sample B78	61.388	Percent	41.6% COV
Analysis 773 - Elongation at Break, Films				
Material: LDPE	Sample B77	578.99	Percent	21.9% COV
	Sample B78	716.28	Percent	18.6% COV
Analysis 774 - Thickness of Film Specimens				
Material: LDPE	Sample B77	2.7944	mils	3.13% COV
	Sample B78	2.7816	mils	3.26% COV
Analysis 775 - Secant Modulus at 1% Strain				
Material: LDPE	Sample B77	25,192.38	psi	8.70% COV
	Sample B78	33,626.71	psi	7.39% COV
Analysis 776 - Secant Modulus at 2% Strain				
Material: LDPE	Sample B77	21,244.99	psi	10.1% COV
	Sample B78	27,821.27	psi	10.8% COV
Analysis 780 - Static Friction				
Material: LDPE	Sample P77	0.20387	COF	19.0% COV
	Sample P78	0.24844	COF	14.5% COV
Analysis 781 - Kinetic Friction				
Material: LDPE	Sample P77	0.13756	COF	23.1% COV
	Sample P78	0.18167	COF	18.5% COV
Analysis 782 - Tear Resistance of Film				
Material: LDPE	Sample Q77	251.87	grams-force	16.6% COV
	Sample Q78	197.94	grams-force	24.7% COV
Analysis 785 - Percent Haze				
Material: LDPE	Sample D77	9.2463	Percent	7.49% COV
	Sample D78	9.4546	Percent	6.88% COV
Analysis 786 - Total Transmittance				
Material: LDPE	Sample D77	92.529	Percent	1.36% COV
	Sample D78	92.531	Percent	1.36% COV
Analysis 755 - Moisture Content				
Material: ABS	Sample Y77	0.02439	Percent	30.5% COV
	Sample Y78	0.02325	Percent	36.3% COV

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

		Sample F77			Sample F78		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
19VKJ8	X	9,714.2	430.7	3.31	9,473.5	243.1	1.54
28M8TM		9,325.0	41.5	0.32	9,386.0	155.6	0.98
35HAYX		9,218.7	-64.9	-0.50	9,137.5	-92.9	-0.59
3964EN		9,356.0	72.5	0.56	9,314.8	84.4	0.53
3TDQ3V		9,241.4	-42.1	-0.32	9,133.2	-97.2	-0.62
4V823Z	X	8,989.5	-294.0	-2.26	8,641.4	-589.0	-3.73
5A58W1		9,383.2	99.6	0.77	9,362.3	131.9	0.83
5J8E6F		9,309.8	26.3	0.20	9,346.6	116.2	0.74
6CECBB		9,322.0	38.5	0.30	9,238.0	7.6	0.05
6HBYK7	*	8,952.4	-331.1	-2.54	8,887.4	-343.0	-2.17
75B8SC		9,324.3	40.7	0.31	9,279.9	49.5	0.31
75LT67	X	8,476.2	-807.3	-6.20	8,552.0	-678.4	-4.29
8H7JDQ		9,412.5	128.9	0.99	9,359.9	129.6	0.82
8UXJLK		9,468.6	185.1	1.42	9,375.4	145.0	0.92
9J6E2Z		9,048.6	-234.9	-1.81	8,937.6	-292.8	-1.85
ALAY7Q		9,324.2	40.7	0.31	9,305.4	75.0	0.47
B55A6G		9,260.8	-22.7	-0.17	9,263.4	33.0	0.21
BQHNBT		9,268.8	-14.7	-0.11	9,192.2	-38.2	-0.24
BYBWRH		9,174.4	-109.1	-0.84	9,311.8	81.4	0.52
C8QVV5	X	8,760.4	-523.2	-4.02	8,731.3	-499.0	-3.16
CAYV9K	X	10,271.9	988.3	7.59	9,287.3	56.9	0.36
E74ZC4		9,257.0	-26.5	-0.20	9,256.6	26.2	0.17
EL4W83		9,453.0	169.5	1.30	9,382.8	152.4	0.96
EW8B9S		9,457.4	173.9	1.34	9,508.8	278.4	1.76
F66L84		9,189.7	-93.9	-0.72	9,207.1	-23.3	-0.15
FPJ7UB		9,366.6	83.1	0.64	9,279.6	49.2	0.31
FQCL7A	*	9,447.6	164.0	1.26	9,128.5	-101.8	-0.64
FYTXTP		9,171.8	-111.7	-0.86	9,178.8	-51.6	-0.33
G2W7DJ	X	9,138.6	-144.9	-1.11	9,440.8	210.4	1.33
G31BMZ		9,332.2	48.7	0.37	9,189.0	-41.4	-0.26
G8WYXZ		9,378.2	94.7	0.73	9,099.7	-130.6	-0.83
GERCWG		9,575.2	291.7	2.24	9,518.4	288.0	1.82

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

		Sample F77			Sample F78		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
GQT21H	*	9,090.8	-192.8	-1.48	8,843.0	-387.4	-2.45
GQWD28		9,194.0	-89.5	-0.69	9,006.0	-224.4	-1.42
GQZZLD		9,301.6	18.1	0.14	9,333.6	103.2	0.65
GR4HX9		9,259.3	-24.3	-0.19	9,270.9	40.5	0.26
GSJ7EN	X	8,294.5	-989.1	-7.60	8,228.1	-1,002.3	-6.34
GVQ3H4		9,253.5	-30.1	-0.23	9,236.1	5.7	0.04
GXWVJA		9,299.6	16.1	0.12	9,318.2	87.8	0.56
H3X6X1	*	9,461.0	177.5	1.36	9,149.2	-81.2	-0.51
HB6V5M		9,256.4	-27.2	-0.21	9,291.2	60.8	0.38
HP541V		9,347.4	63.9	0.49	9,330.2	99.8	0.63
HV3A7C		9,182.8	-100.7	-0.77	9,028.7	-201.7	-1.28
HX14GB		9,328.7	45.2	0.35	9,275.4	45.0	0.28
HXGEXV		9,105.2	-178.3	-1.37	8,924.8	-305.6	-1.93
JTM8LJ		9,230.0	-53.5	-0.41	9,249.6	19.2	0.12
KFYRMR		9,064.4	-219.1	-1.68	9,014.6	-215.8	-1.37
LAN469		9,284.5	1.0	0.01	9,254.1	23.7	0.15
LHAAE8		9,383.6	100.1	0.77	9,468.6	238.2	1.51
LKYLDD		9,184.7	-98.8	-0.76	9,196.6	-33.8	-0.21
M47AYM	*	9,371.3	87.8	0.67	9,602.2	371.8	2.35
MC698F		9,273.2	-10.3	-0.08	9,320.8	90.4	0.57
MHD8D8		9,206.2	-77.3	-0.59	9,170.6	-59.8	-0.38
P1K42Y		9,052.0	-231.5	-1.78	8,978.0	-252.4	-1.60
PK57DQ		9,193.3	-90.2	-0.69	9,280.9	50.5	0.32
TAB8YD		9,233.2	-50.4	-0.39	9,123.0	-107.4	-0.68
U7WFXH		9,231.0	-52.5	-0.40	9,146.8	-83.6	-0.53
UERDWE		9,198.4	-85.2	-0.65	9,247.7	17.3	0.11
UQ1L6E		9,377.4	93.9	0.72	9,392.6	162.2	1.03
V3Y7JA		9,301.0	17.5	0.13	9,173.4	-57.0	-0.36
VHAX3U		9,118.6	-164.9	-1.27	9,054.4	-176.0	-1.11
WMA1EG		9,276.7	-6.8	-0.05	9,218.7	-11.7	-0.07
WPKYUK		9,249.6	-33.9	-0.26	9,168.2	-62.2	-0.39
WSUBZ5		9,149.4	-134.1	-1.03	9,104.0	-126.4	-0.80

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F77 Lab Mean	Sample F77 Diff from Grand Mean	Sample F77 CPV	Sample F78 Lab Mean	Sample F78 Diff from Grand Mean	Sample F78 CPV
XA3L6W	X	8,493.0	-790.6	-6.07	8,396.1	-834.3	-5.28
XFSKLA		9,506.0	222.5	1.71	9,267.4	37.0	0.23
YHRGW6	X	7,775.3	-1,508.3	-11.59	7,904.3	-1,326.1	-8.39
YJV619		9,433.0	149.5	1.15	9,357.8	127.4	0.81
YLJKMW		9,512.0	228.5	1.76	9,399.2	168.8	1.07
YLRYHR	X	9,297.4	13.9	0.11	9,817.6	587.2	3.72
YP7VWS		9,106.0	-177.5	-1.36	9,008.8	-221.6	-1.40
ZHPYYT		9,544.7	261.1	2.01	9,498.1	267.7	1.69

Summary Statistics

	Sample F77	Sample F78
Grand Means	9,283.54 psi	9,230.39 psi
Stnd Dev Btwn Labs	130.16 psi	157.99 psi

Statistics based on 62 of 72 reporting participants

Sample F77: ABS/PC & Sample F78: ABS/PC

Comments on assigned Data Flags for Test #704

19VKJ8 (X) - Inconsistent in testing between samples, data for Sample F77 are low.

4V823Z (X) - Inconsistent in testing between samples, data for Sample F78 are low.

75LT67 (X) - Data for both samples are low.

C8QVV5 (X) - Data for both samples are low. Possible Systematic Error.

CAYV9K (X) - Inconsistent in testing between samples, data for Sample F77 are high. Also inconsistent in testing within both sample sets.

G2W7DJ (X) - Inconsistent in testing between samples.

GSJ7EN (X) - Data for both samples are low.

XA3L6W (X) - Data for both samples are low.

YHRGW6 (X) - Data for both samples are low.

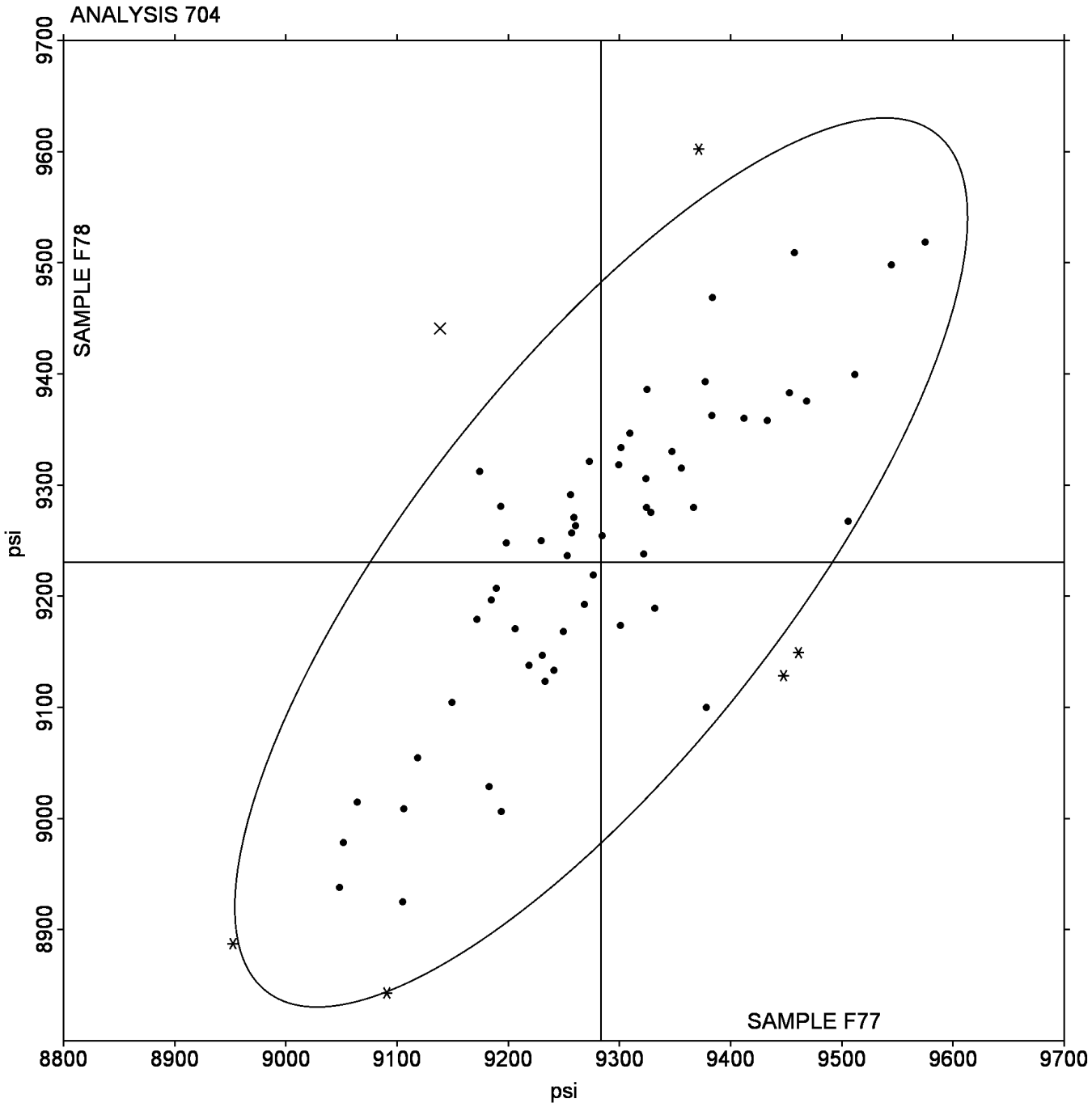
YLRYHR (X) - Inconsistent in testing between samples, data for Sample F78 are high. Also inconsistent in testing within Sample F78.

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

Grand Mean Sample F77: 9,283.54 psi Grand Mean Sample F78: 9,230.39 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F77 Lab Mean	Sample F77 Diff from Grand Mean	Sample F77 CPV	Sample F78 Lab Mean	Sample F78 Diff from Grand Mean	Sample F78 CPV
3G91GF		7,790.0	-377.9	-0.57	7,712.2	-659.3	-0.90
3KDP5P		9,119.2	951.3	1.44	8,939.0	567.5	0.77
3U1NRG		8,018.0	-149.9	-0.23	8,428.0	56.5	0.08
52EETH		8,340.0	172.1	0.26	8,080.0	-291.5	-0.40
74266D		9,173.4	1,005.5	1.53	8,959.6	588.1	0.80
7NC3U2		8,767.8	599.9	0.91	9,465.0	1,093.5	1.49
7YN3ZP		7,834.0	-333.9	-0.51	9,364.4	992.9	1.35
8RFP91		7,324.0	-843.9	-1.28	7,137.0	-1,234.5	-1.68
C4B2XL	X	9,910.3	1,742.4	2.65	7,935.0	-436.5	-0.59
CRFAL4		7,688.4	-479.5	-0.73	7,713.8	-657.7	-0.89
EB8M7M		7,128.8	-1,039.1	-1.58	7,288.0	-1,083.5	-1.47
FW77JY		7,027.4	-1,140.5	-1.73	6,829.6	-1,541.9	-2.10
FXEQ4Y		7,790.2	-377.7	-0.57	8,540.7	169.1	0.23
G8RS7P		7,552.4	-615.5	-0.93	8,748.8	377.3	0.51
H2M4B2		8,069.4	-98.5	-0.15	8,835.6	464.1	0.63
HHJAPW		8,578.4	410.5	0.62	8,296.2	-75.3	-0.10
HT3M3W	*	9,819.1	1,651.3	2.51	9,262.2	890.7	1.21
JDEJN6		7,500.4	-667.5	-1.01	7,418.4	-953.1	-1.30
JM6YKB		8,496.6	328.7	0.50	8,429.5	58.0	0.08
K6UUK7		8,842.0	674.1	1.02	9,853.0	1,481.5	2.01
L4G3UY		7,591.3	-576.5	-0.88	9,001.1	629.6	0.86
LBH68V		7,118.5	-1,049.4	-1.59	6,912.6	-1,459.0	-1.98
LDXNMM		8,624.0	456.1	0.69	9,178.1	806.5	1.10
LJ1J58		7,714.2	-453.7	-0.69	7,665.8	-705.7	-0.96
LQPQU5		8,813.6	645.7	0.98	8,783.6	412.1	0.56
LRBGK1		8,466.6	298.7	0.45	8,373.6	2.1	0.00
LTF9BE		7,072.1	-1,095.8	-1.66	6,868.5	-1,503.1	-2.04
MFPT6D		8,499.2	331.3	0.50	8,544.0	172.5	0.23
N3K7LD		8,012.4	-155.5	-0.24	9,176.4	804.9	1.09
N76BRB		8,193.4	25.5	0.04	8,699.0	327.5	0.45
NMP3Z3		8,450.2	282.3	0.43	7,990.4	-381.1	-0.52
NUPBKB		8,550.3	382.5	0.58	8,711.6	340.1	0.46

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F77 Lab Mean	Sample F77 Diff from Grand Mean	Sample F77 CPV	Sample F78 Lab Mean	Sample F78 Diff from Grand Mean	Sample F78 CPV
P7WVY3		8,499.0	331.1	0.50	8,944.4	572.9	0.78
PDWZGS		7,605.8	-562.0	-0.85	7,971.3	-400.2	-0.54
PJL376		7,478.2	-689.7	-1.05	8,663.2	291.7	0.40
PJZHEL		8,078.0	-89.9	-0.14	8,087.4	-284.1	-0.39
PUXLFA		8,977.9	810.0	1.23	9,346.6	975.1	1.33
PX9FWF	*	9,877.0	1,709.1	2.60	9,466.6	1,095.1	1.49
PXRNZ9		8,200.8	32.9	0.05	8,900.6	529.1	0.72
QAAVMB		8,049.7	-118.2	-0.18	8,191.8	-179.7	-0.24
QZBEJY		9,142.4	974.5	1.48	8,700.6	329.1	0.45
RD11VS		6,821.2	-1,346.7	-2.04	6,669.4	-1,702.1	-2.31
RSGDHE		7,924.1	-243.8	-0.37	7,992.2	-379.3	-0.52
S5936Q		8,420.8	252.9	0.38	8,484.6	113.1	0.15
TKK4EL		7,882.4	-285.5	-0.43	8,594.3	222.8	0.30
TRN19J		8,725.5	557.7	0.85	8,447.1	75.5	0.10
TWRVLL		7,405.6	-762.3	-1.16	7,335.1	-1,036.4	-1.41
TXJTR6		8,107.2	-60.7	-0.09	8,709.4	337.9	0.46
V2Q2A6		8,351.0	183.1	0.28	9,135.2	763.7	1.04
V59FWP		8,731.3	563.5	0.86	8,615.3	243.8	0.33
VUSCQV		7,545.5	-622.4	-0.95	9,020.3	648.7	0.88
VZQ5AY		8,374.6	206.7	0.31	7,488.6	-882.9	-1.20
WT66PH		8,101.6	-66.3	-0.10	8,067.8	-303.7	-0.41
XPPCYB		8,389.1	221.2	0.34	8,235.3	-136.2	-0.19
XRDJKV		8,122.2	-45.7	-0.07	8,528.3	156.8	0.21
Y16233		7,258.0	-909.9	-1.38	7,872.0	-499.5	-0.68
YAAXXZ		8,520.0	352.1	0.53	8,608.6	237.1	0.32
YJ7ZDB		8,910.4	742.5	1.13	8,667.8	296.3	0.40
ZC17V6		8,528.3	360.4	0.55	8,638.5	267.0	0.36
ZCGRHJ		7,912.2	-255.7	-0.39	7,331.8	-1,039.7	-1.41

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Summary Statistics

Grand Means		
	8,167.89 psi	8,371.52 psi
Stnd Dev Btwn Labs		
	658.56 psi	735.40 psi

Statistics based on 59 of 60 reporting participants

Sample F77: ABS/PC & Sample F78: ABS/PC

Comments on assigned Data Flags for Test #705

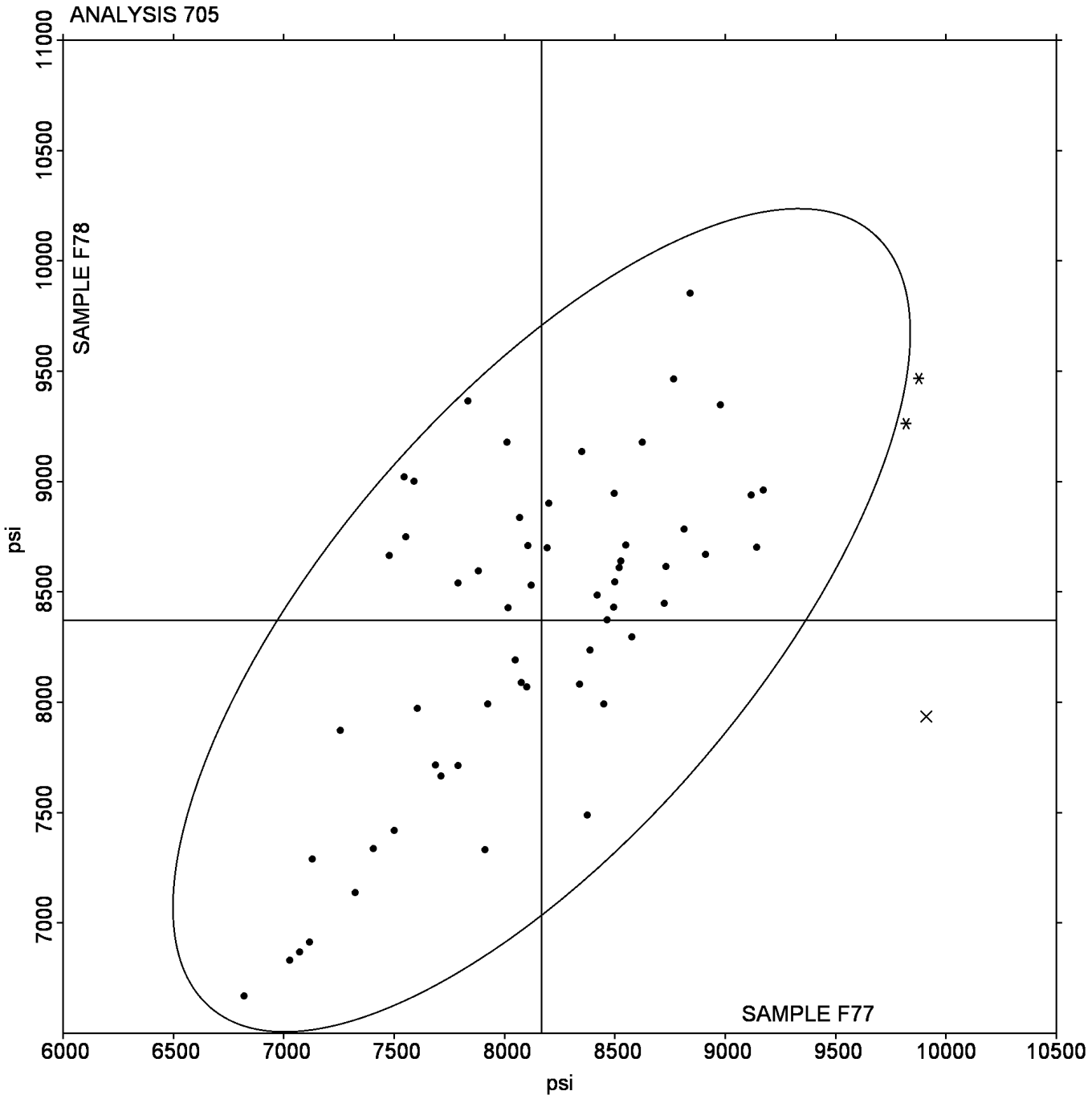
C4B2XL (X) - Inconsistent in testing between samples.

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Grand Mean Sample F77: 8,167.89 psi Grand Mean Sample F78: 8,371.52 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

		Sample F77			Sample F78		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
19Y4PP		4.166	-0.204	-1.28	4.128	-0.239	-1.46
2DBG9P		4.374	0.004	0.02	4.476	0.109	0.67
2UQT71		4.422	0.052	0.32	4.492	0.125	0.77
2ZBG87		4.368	-0.002	-0.01	4.380	0.013	0.08
46QGS1		4.340	-0.030	-0.19	4.352	-0.015	-0.09
4AW39K	X	2.672	-1.698	-10.62	2.660	-1.707	-10.45
4NL338		4.340	-0.030	-0.19	4.360	-0.007	-0.04
5B6EJ9	X	6.836	2.466	15.42	6.620	2.253	13.79
8BB1DT	X	4.480	0.110	0.69	4.244	-0.123	-0.75
8CZ278		4.498	0.128	0.80	4.458	0.091	0.56
8U1PU1		4.136	-0.234	-1.47	4.194	-0.173	-1.06
9FVKV7		4.380	0.010	0.06	4.340	-0.027	-0.16
A7GQ34		4.500	0.130	0.81	4.468	0.101	0.62
BD417E		4.232	-0.138	-0.87	4.178	-0.189	-1.16
BQUFTP		4.332	-0.038	-0.24	4.384	0.017	0.10
CDS839		4.446	0.076	0.47	4.478	0.111	0.68
CMNKFW	*	4.510	0.140	0.87	4.684	0.317	1.94
D622XP		4.430	0.060	0.37	4.528	0.161	0.99
E7AD8W	X	3.523	-0.847	-5.30	3.554	-0.813	-4.97
EYY628		4.470	0.100	0.62	4.460	0.093	0.57
F8GJLJ		4.286	-0.084	-0.53	4.318	-0.049	-0.30
FCLGNK		4.420	0.050	0.31	4.350	-0.017	-0.10
FDUPUL	X	2.756	-1.614	-10.10	2.834	-1.533	-9.38
FMD7KL		4.490	0.120	0.75	4.448	0.081	0.50
FW4PGZ		4.130	-0.240	-1.50	4.013	-0.354	-2.16
G5TBUU		4.518	0.148	0.92	4.492	0.125	0.77
GL1S8K		4.582	0.212	1.32	4.546	0.179	1.10
GPDNBT		4.580	0.210	1.31	4.568	0.201	1.23
HPHBP8		4.418	0.048	0.30	4.396	0.029	0.18
HQ3B9G		4.320	-0.050	-0.32	4.380	0.013	0.08
JT21B8		4.200	-0.170	-1.07	4.300	-0.067	-0.41
JUGYMQ		4.350	-0.020	-0.13	4.312	-0.055	-0.34

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F77 Lab Mean	Sample F77 Diff from Grand Mean	Sample F77 CPV	Sample F78 Lab Mean	Sample F78 Diff from Grand Mean	Sample F78 CPV
K7GS7U		4.280	-0.090	-0.57	4.340	-0.027	-0.16
KEM7K8		4.482	0.112	0.70	4.476	0.109	0.67
KRMR7U		4.042	-0.328	-2.05	4.084	-0.283	-1.73
L2NW1F		4.510	0.140	0.87	4.484	0.117	0.72
L4BJJV		4.306	-0.064	-0.40	4.304	-0.063	-0.39
M1NBT7		4.280	-0.090	-0.57	4.320	-0.047	-0.29
MRJ6VY	*	3.932	-0.438	-2.74	3.944	-0.423	-2.59
N4RUXZ		4.472	0.102	0.64	4.378	0.011	0.07
PWM796		4.560	0.190	1.19	4.554	0.187	1.14
Q9H4EH	*	4.290	-0.080	-0.50	4.124	-0.243	-1.49
QMNSG5		4.428	0.058	0.36	4.396	0.029	0.18
QPCQLB	X	3.705	-0.665	-4.16	4.318	-0.049	-0.30
QPKZ62		4.382	0.012	0.07	4.410	0.043	0.26
RBH6QY		4.452	0.082	0.51	4.396	0.029	0.18
REJSD1		4.496	0.126	0.79	4.560	0.193	1.18
RUHHQV	*	4.676	0.306	1.91	4.534	0.167	1.02
SJ1KF8		4.148	-0.222	-1.39	4.166	-0.201	-1.23
T16A9S		4.370	0.000	0.00	4.314	-0.053	-0.32
TASED4		4.386	0.016	0.10	4.454	0.087	0.53
TH12TX		4.532	0.162	1.01	4.584	0.217	1.33
U634GU		4.282	-0.088	-0.55	4.216	-0.151	-0.92
VNAW4C	M	No data reported for this sample			4.960	0.593	3.63
WGCFNN		4.614	0.244	1.52	4.562	0.195	1.19
WQ8798	*	3.926	-0.444	-2.78	3.920	-0.447	-2.73
XA5QV5		4.424	0.054	0.34	4.402	0.035	0.21
XV14VG		4.210	-0.160	-1.00	4.204	-0.163	-1.00
YNNBKD	X	3.580	-0.790	-4.94	3.300	-1.067	-6.53
YQXUHS		4.298	-0.072	-0.45	4.300	-0.067	-0.41
ZBQ597		4.438	0.068	0.42	4.392	0.025	0.15
ZG6S1G		4.546	0.176	1.10	4.512	0.145	0.89

Plastics Interlaboratory Testing Program
Analysis 706
Percent Elongation at Yield - Percent

Summary Statistics

Grand Means		
	4.3704 Percent	4.3669 Percent
Stnd Dev Btwn Labs		
	0.1599 Percent	0.1634 Percent

Statistics based on 54 of 62 reporting participants

Sample F77: ABS/PC & Sample F78: ABS/PC

Comments on assigned Data Flags for Test #706

4AW39K (X) - Data for both samples are low.

5B6EJ9 (X) - Data for both samples are high.

8BB1DT (X) - Inconsistent in testing between samples and inconsistent in testing within Sample F78.

E7AD8W (X) - Data for both samples are low.

FDUPUL (X) - Data for both samples are low.

QPCQLB (X) - Inconsistent in testing between samples, data for Sample F77 are low.

VNAW4C (M) - Laboratory did not submit data for Sample F77.

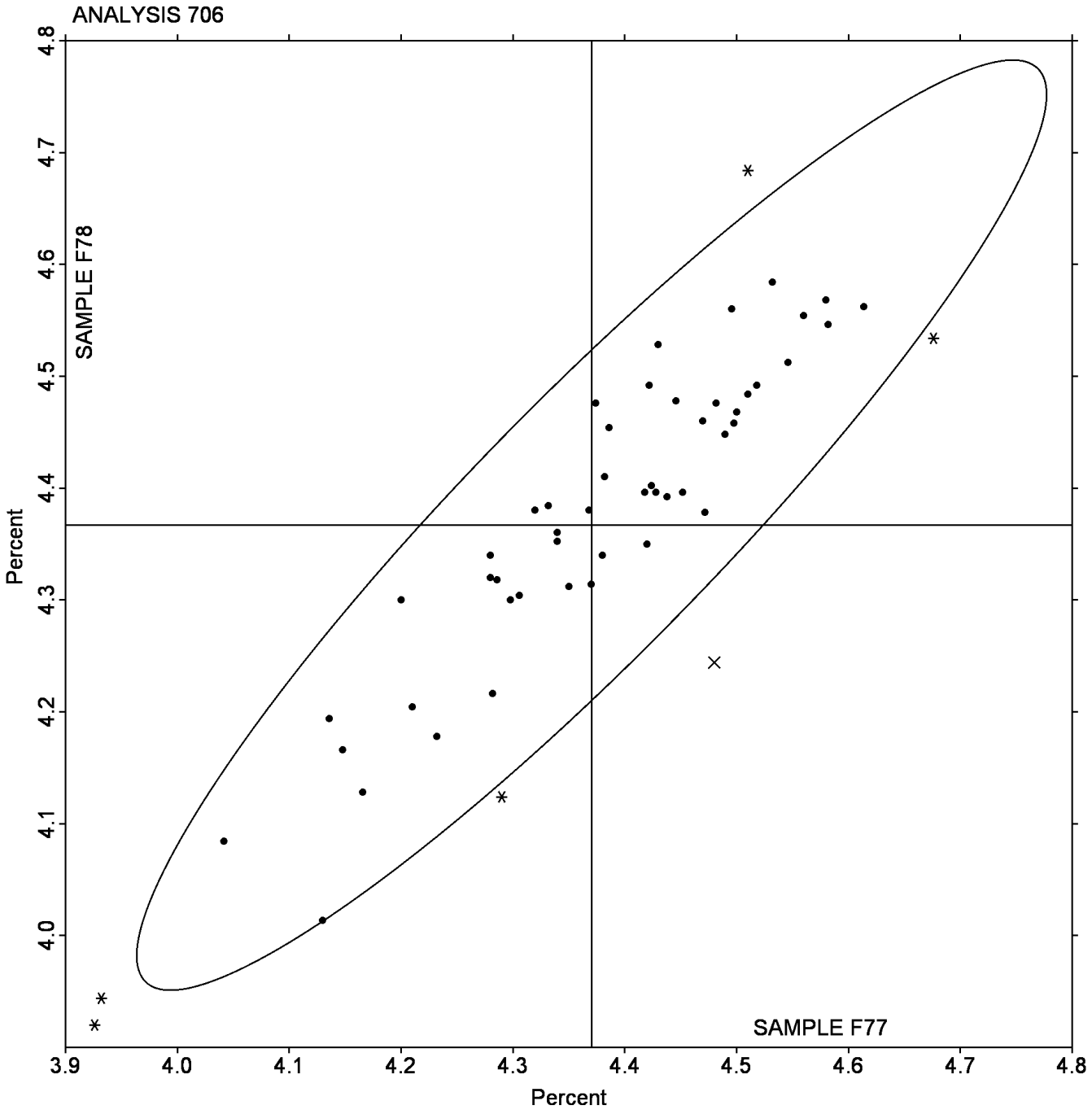
YNNBKD (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

Grand Mean Sample F77: 4.3704 Percent Grand Mean Sample F78: 4.3669 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F77 Lab Mean	Sample F77 Diff from Grand Mean	Sample F77 CPV	Sample F78 Lab Mean	Sample F78 Diff from Grand Mean	Sample F78 CPV
38F7FZ		383.19	-5.54	-0.22	381.86	-4.66	-0.19
3H6LPC		389.68	0.95	0.04	385.38	-1.14	-0.05
4ANVJW		369.51	-19.22	-0.77	369.26	-17.25	-0.70
4JH64N	*	395.41	6.67	0.27	363.03	-23.49	-0.95
58BV1J		410.82	22.08	0.89	409.61	23.10	0.93
5H6DYH		384.58	-4.15	-0.17	384.24	-2.28	-0.09
66U9K2	X	908.65	519.91	20.89	782.03	395.52	15.97
68N2NG		388.00	-0.73	-0.03	412.10	25.58	1.03
69SVUR		403.08	14.35	0.58	406.60	20.08	0.81
8EC7SX		368.84	-19.89	-0.80	377.20	-9.32	-0.38
9BMR5N		394.88	6.15	0.25	399.76	13.24	0.53
AHHMXE		433.70	44.97	1.81	413.58	27.06	1.09
APAXWW		360.68	-28.05	-1.13	360.92	-25.60	-1.03
AWQVAA		326.51	-62.22	-2.50	327.99	-58.53	-2.36
D446KM		360.85	-27.88	-1.12	361.20	-25.32	-1.02
D8CWL2		405.63	16.89	0.68	403.50	16.99	0.69
DJGLHB		391.11	2.37	0.10	384.20	-2.32	-0.09
EW4WYC		375.76	-12.97	-0.52	370.56	-15.96	-0.64
EXJRRU		388.17	-0.56	-0.02	407.49	20.97	0.85
FNBUG2		363.18	-25.56	-1.03	366.08	-20.44	-0.83
G1UR9J		423.34	34.61	1.39	420.46	33.94	1.37
G8WXTT		420.94	32.21	1.29	403.94	17.42	0.70
GEEYWK		346.18	-42.56	-1.71	355.66	-30.85	-1.25
HHV8GU		414.70	25.96	1.04	406.83	20.32	0.82
HZ8JPE		398.66	9.93	0.40	397.90	11.38	0.46
JGWBL6		386.10	-2.63	-0.11	394.92	8.40	0.34
JRHK1L		393.61	4.87	0.20	391.40	4.88	0.20
JZWNL3		341.74	-46.99	-1.89	344.02	-42.50	-1.72
KZRWTW		403.18	14.45	0.58	400.96	14.44	0.58
LB56FG	X	117.27	-271.47	-10.91	114.06	-272.46	-11.00
LEVB7R		417.07	28.34	1.14	418.70	32.18	1.30
MEF51Z		408.78	20.05	0.81	405.34	18.82	0.76

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F77 Lab Mean	Sample F77 Diff from Grand Mean	Sample F77 CPV	Sample F78 Lab Mean	Sample F78 Diff from Grand Mean	Sample F78 CPV
MFYXAB		405.10	16.37	0.66	393.22	6.70	0.27
Q1SB7L		339.32	-49.41	-1.99	335.86	-50.66	-2.04
QLL7A7		372.92	-15.81	-0.64	389.62	3.10	0.13
QPY8TQ	*	381.08	-7.65	-0.31	348.33	-38.18	-1.54
R2DKNZ		370.22	-18.51	-0.74	372.20	-14.32	-0.58
R49K43		377.60	-11.13	-0.45	374.80	-11.72	-0.47
R7XSVS	*	401.60	12.87	0.52	370.60	-15.92	-0.64
RCCU4L		367.22	-21.51	-0.86	356.18	-30.34	-1.22
RSADU6		390.21	1.47	0.06	389.80	3.28	0.13
S7M3LT		394.48	5.75	0.23	394.24	7.72	0.31
S8D28V		397.26	8.53	0.34	398.22	11.70	0.47
SWG1NC	X	441.60	52.87	2.12	360.40	-26.12	-1.05
SXNUH8		396.62	7.89	0.32	393.52	7.00	0.28
UDEVFW		400.05	11.31	0.45	391.03	4.51	0.18
UZKM3B	X	504.94	116.21	4.67	510.96	124.44	5.02
V4MPDH		436.13	47.40	1.90	430.82	44.31	1.79
V5CJPK	*	439.32	50.59	2.03	449.12	62.60	2.53
VFC6LQ		390.04	1.31	0.05	388.36	1.84	0.07
VMZUHE	M	No data reported for this sample			331.11	-55.41	-2.24
VNLRKK	X	499.70	110.97	4.46	482.18	95.66	3.86
WMWA5H	X	251.00	-137.74	-5.53	243.71	-142.80	-5.76
ZVWB3S		363.48	-25.25	-1.01	365.70	-20.82	-0.84

Summary Statistics

	Sample F77	Sample F78
Grand Means	388.735 ksi	386.518 ksi
Stnd Dev Btwn Labs	24.886 ksi	24.773 ksi

Statistics based on 47 of 54 reporting participants

Sample F77: ABS/PC & Sample F78: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

Comments on assigned Data Flags for Test #708

66U9K2 (X) - Extreme data.

LB56FG (X) - Data for both samples are low.

SWG1NC (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

UZKM3B (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

VMZUHE (M) - Laboratory did not submit data for Sample F77.

VNLRKK (X) - Data for both samples are low. Also inconsistent in testing within both samples.

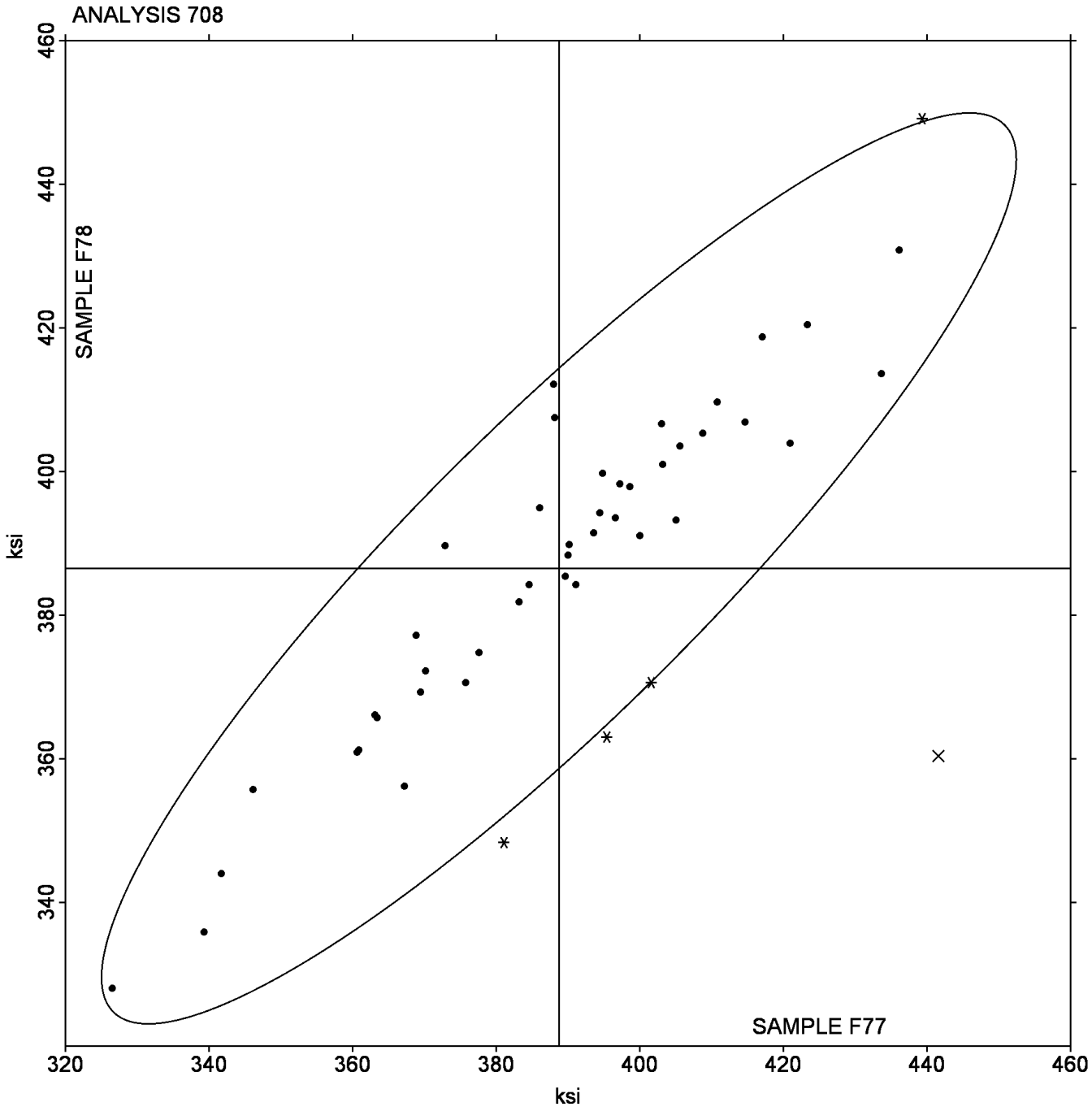
WMWA5H (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

Grand Mean Sample F77: 388.73 ksi Grand Mean Sample F78: 386.52 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C77 Lab Mean	Sample C77 Diff from Grand Mean	Sample C77 CPV	Sample C78 Lab Mean	Sample C78 Diff from Grand Mean	Sample C78 CPV
1QPZ77		46.84	-0.59	-0.97	46.82	-0.51	-0.92
2278V6		47.18	-0.26	-0.42	47.16	-0.17	-0.31
2PX9NB		47.05	-0.39	-0.63	47.09	-0.24	-0.43
3CF19H		47.24	-0.20	-0.32	47.41	0.07	0.13
4K5HBK		47.25	-0.19	-0.30	47.15	-0.18	-0.33
54WWF3		46.68	-0.76	-1.23	46.94	-0.39	-0.71
6G6RPZ		48.06	0.62	1.01	48.00	0.67	1.21
79HW3E		46.71	-0.73	-1.18	46.93	-0.41	-0.73
8AFX1P	X	49.46	2.02	3.28	49.56	2.22	4.03
8BE454	*	47.38	-0.06	-0.09	46.68	-0.65	-1.18
8UBATW		47.20	-0.24	-0.39	47.00	-0.33	-0.60
8X8LF5		48.41	0.97	1.58	48.46	1.13	2.04
9JTRU5		47.40	-0.04	-0.06	47.24	-0.09	-0.17
9NU7SF		47.59	0.15	0.25	47.57	0.24	0.44
9Q1X3F		47.06	-0.38	-0.61	47.44	0.11	0.19
AQLSK9	X	47.29	-0.15	-0.24	48.42	1.09	1.98
ATRBRH		47.30	-0.13	-0.22	47.55	0.22	0.40
C19UKE		47.74	0.30	0.49	47.45	0.11	0.21
DGLHLP		46.51	-0.93	-1.51	46.38	-0.96	-1.73
FN8TFX		48.02	0.59	0.95	47.62	0.29	0.53
G2KNBC		47.89	0.45	0.73	47.54	0.20	0.37
GGBAXT		48.03	0.59	0.96	47.49	0.16	0.29
GU2G22		46.97	-0.47	-0.76	47.11	-0.22	-0.40
HFJBYK		48.27	0.83	1.35	48.31	0.97	1.76
J5QBDL		46.66	-0.78	-1.27	46.66	-0.67	-1.22
JAR7P1		48.15	0.71	1.16	47.83	0.50	0.90
JNLCYG		47.13	-0.30	-0.49	46.75	-0.58	-1.05
M1JYYG		47.42	-0.01	-0.02	47.13	-0.20	-0.36
MAZQBG		47.64	0.20	0.33	47.42	0.09	0.17
MS7NRX		46.07	-1.37	-2.22	46.39	-0.94	-1.71
NJNZYG		46.70	-0.74	-1.20	46.52	-0.81	-1.47
QH57E4		48.68	1.24	2.02	48.42	1.09	1.98

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C77 Lab Mean	Sample C77 Diff from Grand Mean	Sample C77 CPV	Sample C78 Lab Mean	Sample C78 Diff from Grand Mean	Sample C78 CPV
SBUASM		47.32	-0.12	-0.19	47.42	0.09	0.16
SCXPKG		48.42	0.98	1.60	48.34	1.01	1.83
SY5CMH		48.10	0.66	1.08	47.52	0.19	0.34
T28Y2G		48.59	1.15	1.87	48.47	1.14	2.07
TBCXYK		47.01	-0.43	-0.69	46.91	-0.43	-0.77
TUFJUP		47.82	0.39	0.63	47.49	0.15	0.28
UL919V	X	46.77	-0.67	-1.09	45.65	-1.68	-3.05
VMR9E5		47.38	-0.05	-0.09	47.30	-0.03	-0.06
VZY21Q	X	41.96	-5.48	-8.91	42.21	-5.12	-9.27
W2FM35		47.60	0.17	0.27	47.62	0.29	0.52
X9Y2XU		46.63	-0.80	-1.31	46.62	-0.71	-1.29
ZKS9H2		47.18	-0.26	-0.42	47.35	0.01	0.03
ZN5T4D		47.64	0.20	0.33	47.10	-0.23	-0.42

Summary Statistics

	Sample C77	Sample C78
Grand Means	47.438 MPa	47.332 MPa
Stnd Dev Btwn Labs	0.614 MPa	0.552 MPa

Statistics based on 41 of 45 reporting participants

Sample C77: ABS & Sample C78: ABS

Comments on assigned Data Flags for Test #730

8AFX1P (X) - Data for both samples are high. Possible Systematic Error.

AQLSK9 (X) - Inconsistent in testing between samples.

UL919V (X) - Inconsistent in testing between samples, data for Sample C78 are low.

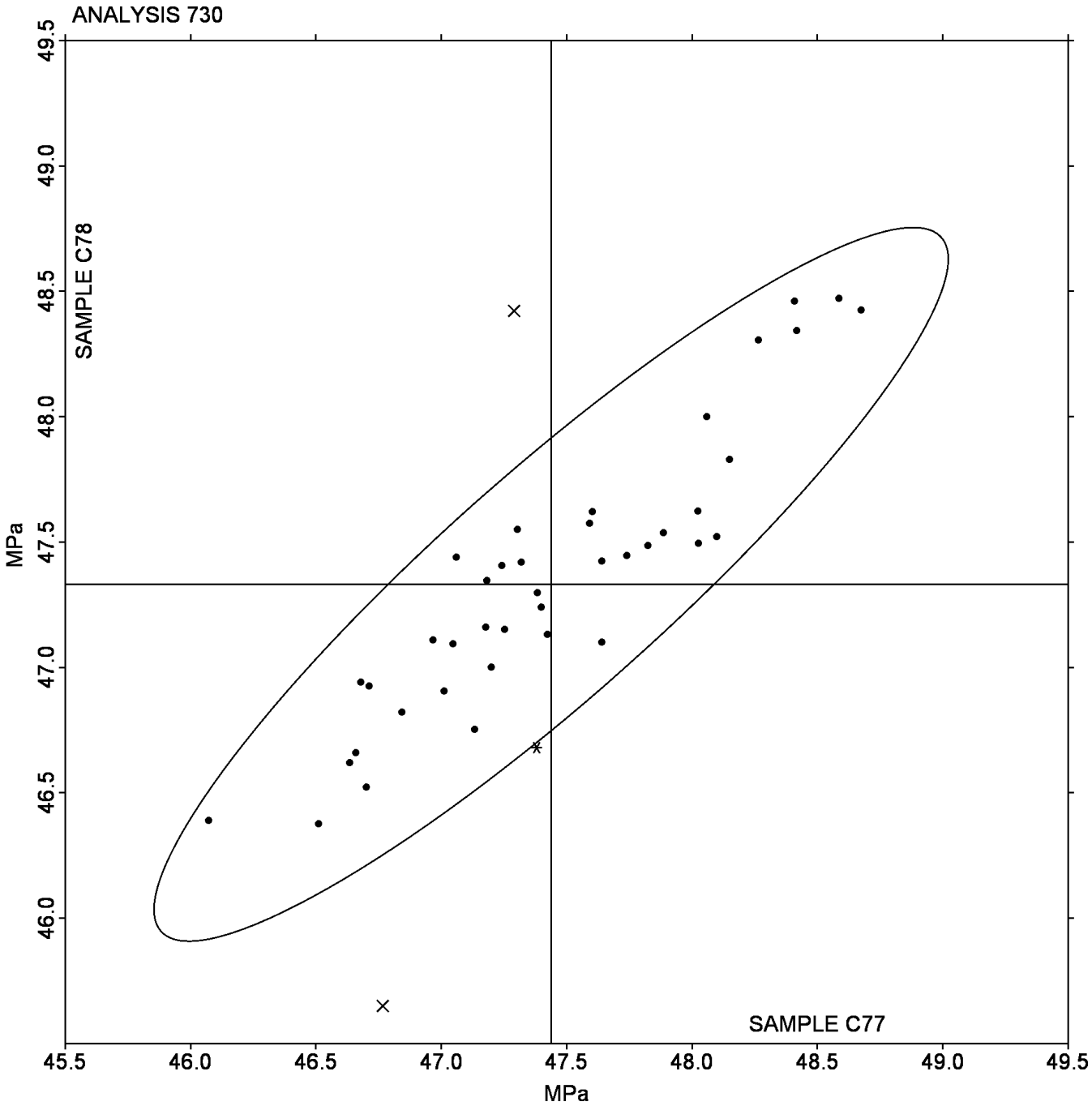
VZY21Q (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

Grand Mean Sample C77: 47.438 MPa Grand Mean Sample C78: 47.332 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C77 Lab Mean	Sample C77 Diff from Grand Mean	Sample C77 CPV	Sample C78 Lab Mean	Sample C78 Diff from Grand Mean	Sample C78 CPV
38C81S		33.24	-1.29	-0.85	33.06	-1.45	-0.92
4DLPHA		32.29	-2.23	-1.48	32.47	-2.04	-1.30
4P3ZML		35.46	0.94	0.62	35.73	1.22	0.78
5PHTSL		33.48	-1.04	-0.69	32.94	-1.57	-1.00
5PM38S		32.66	-1.86	-1.23	32.57	-1.94	-1.24
6SYHP3		35.52	1.00	0.66	35.36	0.85	0.55
6YBZXY		37.00	2.48	1.64	36.00	1.49	0.96
73W4RE		33.73	-0.79	-0.52	33.64	-0.86	-0.55
86BE33		36.28	1.76	1.16	34.72	0.21	0.14
92MLA8		34.07	-0.45	-0.30	33.67	-0.83	-0.53
98E1H2	*	38.71	4.19	2.77	36.86	2.35	1.50
B3M4XM		33.42	-1.10	-0.73	33.34	-1.17	-0.75
BABZER		36.73	2.21	1.46	37.95	3.44	2.20
CQS6EX		32.20	-2.32	-1.54	33.94	-0.57	-0.36
EB9VKR		35.53	1.01	0.66	36.73	2.22	1.42
GJEH7Q		34.62	0.10	0.06	34.54	0.03	0.02
GU9HFZ		37.79	3.27	2.16	37.92	3.42	2.19
HB4UEW		33.86	-0.66	-0.44	35.59	1.08	0.69
HCENEP		33.55	-0.97	-0.64	33.69	-0.82	-0.53
HKJ8JS		34.22	-0.30	-0.20	32.24	-2.27	-1.45
JKTHSR		34.60	0.08	0.05	35.44	0.93	0.60
JP1ZSE		33.70	-0.82	-0.54	33.07	-1.44	-0.92
JX3522		34.57	0.04	0.03	33.55	-0.96	-0.61
KW7CVZ	X	40.00	5.48	3.62	36.68	2.17	1.39
KX99YS		34.86	0.34	0.22	34.06	-0.44	-0.28
LTUK3Z		34.76	0.24	0.16	34.71	0.20	0.13
NECFZW		33.89	-0.63	-0.42	33.24	-1.27	-0.81
R7ZH27		35.05	0.53	0.35	34.72	0.21	0.14
RYXNBM		33.13	-1.40	-0.92	33.64	-0.86	-0.55
S8A7XC		34.18	-0.35	-0.23	34.28	-0.23	-0.15
SBNMYH		34.04	-0.48	-0.32	33.64	-0.87	-0.55
SFCBVN		35.70	1.18	0.78	35.94	1.43	0.92

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C77 Lab Mean	Sample C77 Diff from Grand Mean	Sample C77 CPV	Sample C78 Lab Mean	Sample C78 Diff from Grand Mean	Sample C78 CPV
SUC6A3		36.22	1.70	1.12	37.64	3.13	2.00
TJVNP9		33.44	-1.08	-0.71	33.84	-0.67	-0.43
TV7RNP		34.59	0.07	0.04	34.89	0.39	0.25
U8Y3WB		32.64	-1.88	-1.25	32.36	-2.15	-1.37
VZE19E		33.14	-1.39	-0.92	34.27	-0.24	-0.15

Summary Statistics

	Sample C77	Sample C78
Grand Means	34.525 MPa	34.507 MPa
Stnd Dev Btwn Labs	1.512 MPa	1.563 MPa

Statistics based on 36 of 37 reporting participants

Sample C77: ABS & Sample C78: ABS

Comments on assigned Data Flags for Test #731

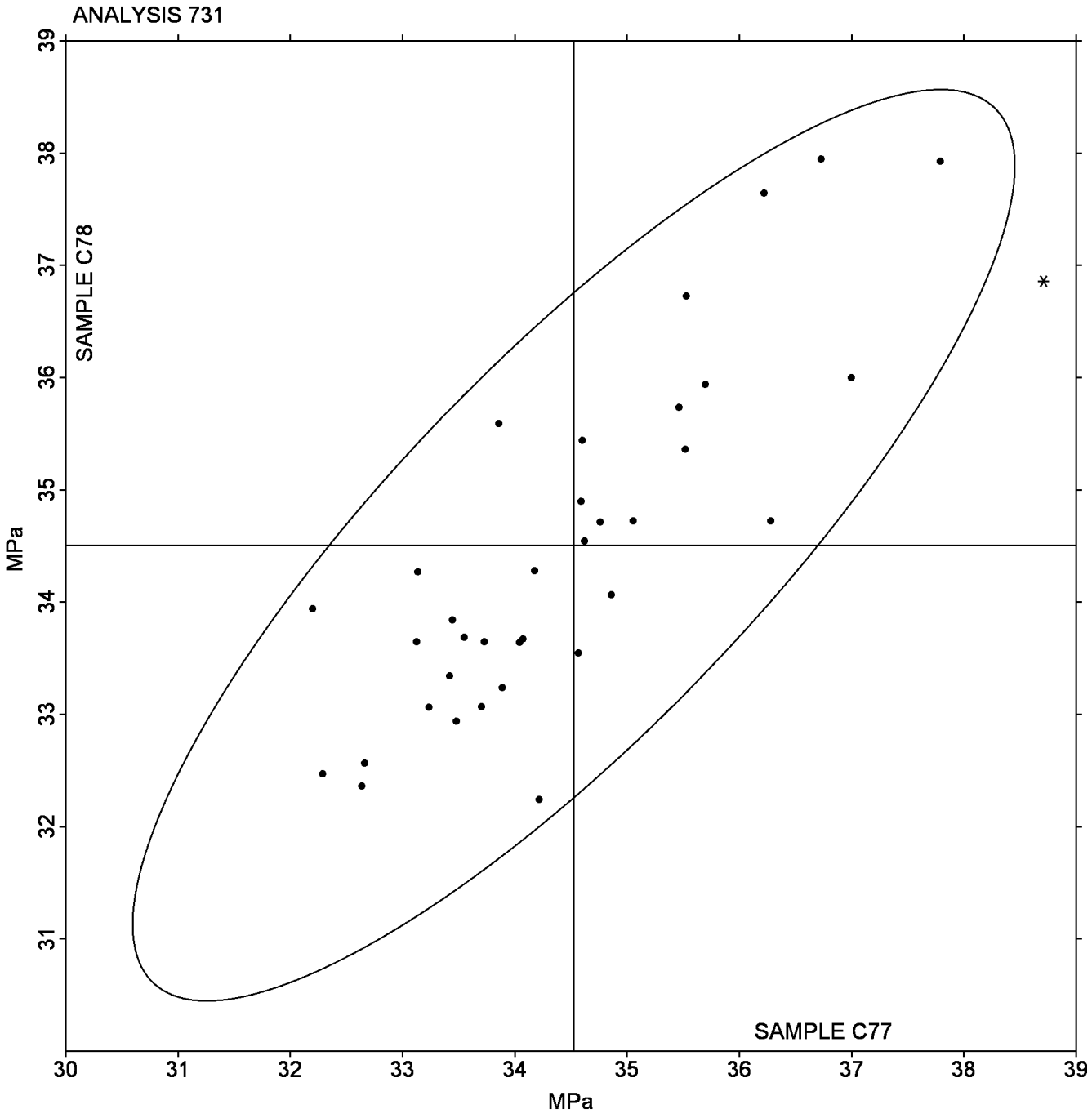
KW7CVZ (X) - Inconsistent in testing between samples, data for Sample C77 are high. Also inconsistent in testing within Sample C77.

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

Grand Mean Sample C77: 34.525 MPa Grand Mean Sample C78: 34.507 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

WebCode	Data Flag	Sample C77 Lab Mean	Sample C77 Diff from Grand Mean	Sample C77 CPV	Sample C78 Lab Mean	Sample C78 Diff from Grand Mean	Sample C78 CPV
226FVC		2.700	0.021	0.30	2.660	-0.032	-0.50
2NWU4E	X	2.400	-0.279	-3.97	2.380	-0.312	-4.95
2T6PZF	*	2.532	-0.147	-2.10	2.640	-0.051	-0.82
4HZ17M		2.698	0.019	0.27	2.672	-0.020	-0.31
4V6UVT		2.634	-0.045	-0.64	2.650	-0.042	-0.66
4VGHJU		2.594	-0.085	-1.21	2.608	-0.084	-1.33
6AB475		2.800	0.121	1.72	2.772	0.080	1.28
6PHURS		2.680	0.001	0.01	2.680	-0.012	-0.18
86MADA		2.720	0.041	0.58	2.744	0.052	0.83
8DFQM4		2.706	0.027	0.38	2.674	-0.018	-0.28
8YVT1T		2.692	0.013	0.19	2.690	-0.002	-0.03
A2SX75		2.662	-0.017	-0.24	2.680	-0.012	-0.18
AYU51Y		2.620	-0.059	-0.84	2.694	0.002	0.04
BEUAY9		2.690	0.011	0.16	2.662	-0.030	-0.47
CFU2SF		2.586	-0.093	-1.32	2.572	-0.120	-1.90
D1D86F		2.616	-0.063	-0.90	2.642	-0.050	-0.79
DVY13P		2.818	0.139	1.98	2.776	0.084	1.34
FL11FA	*	2.516	-0.163	-2.32	2.526	-0.166	-2.63
G67MXT		2.680	0.001	0.01	2.686	-0.006	-0.09
J1GQPM		2.644	-0.035	-0.50	2.680	-0.012	-0.18
K4WT2A		2.682	0.003	0.04	2.692	0.000	0.01
KLSRYU		2.754	0.075	1.07	2.750	0.058	0.93
LFHDVD		2.666	-0.013	-0.19	2.742	0.050	0.80
MER3QS		2.688	0.009	0.13	2.694	0.002	0.04
MN5FUN		2.696	0.017	0.24	2.766	0.074	1.18
NPYD4V	X	2.260	-0.419	-5.97	2.240	-0.452	-7.17
PHMMRE		2.792	0.113	1.61	2.766	0.074	1.18
PJTDUG		2.706	0.027	0.38	2.690	-0.002	-0.03
QTXXFB		2.600	-0.079	-1.13	2.600	-0.092	-1.45
T5YFZ8		2.660	-0.019	-0.27	2.700	0.008	0.13
TSC11G		2.626	-0.053	-0.75	2.678	-0.014	-0.22
TSDTW2		2.726	0.047	0.67	2.736	0.044	0.70

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

WebCode	Data Flag	Sample C77 Lab Mean	Sample C77 Diff from Grand Mean	Sample C77 CPV	Sample C78 Lab Mean	Sample C78 Diff from Grand Mean	Sample C78 CPV
UWY5KR		2.682	0.003	0.04	2.726	0.034	0.55
WE9VAE		2.782	0.103	1.47	2.754	0.062	0.99
WRQ8LA		2.640	-0.039	-0.56	2.636	-0.056	-0.88
XRLKNA		2.740	0.061	0.87	2.740	0.048	0.77
YDV1T5		2.624	-0.055	-0.78	2.654	-0.038	-0.60
YG4L45		2.672	-0.007	-0.11	2.699	0.007	0.11
YWCNLB	*	2.800	0.121	1.72	2.860	0.168	2.67

Summary Statistics

	Sample C77	Sample C78
Grand Means	2.6790 Percent	2.6916 Percent
Stnd Dev Btwn Labs	0.0702 Percent	0.0630 Percent

Statistics based on 37 of 39 reporting participants

Sample C77: ABS & Sample C78: ABS

Comments on assigned Data Flags for Test #732

2NWU4E (X) - Data for both samples are low. Possible Systematic Error.

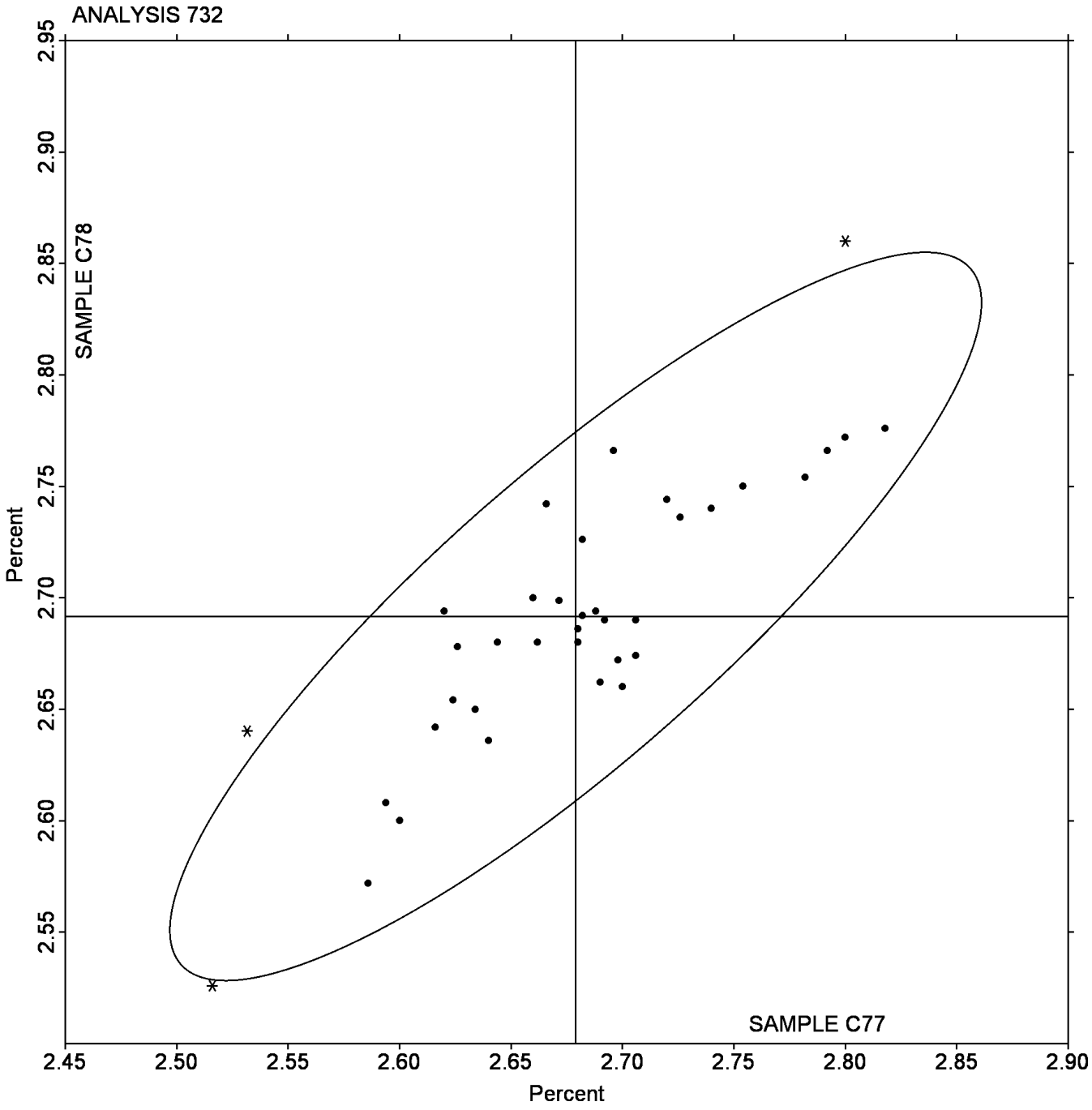
NPYD4V (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

Grand Mean Sample C77: 2.6790 Percent Grand Mean Sample C78: 2.6916 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

		Sample C77			Sample C78		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
144SNB	X	2,413	85	0.83	2,257	-58	-0.66
2Z7HYV		2,393	64	0.63	2,367	51	0.58
4K8FUH		2,237	-91	-0.89	2,240	-76	-0.86
622NSK		2,273	-56	-0.55	2,259	-57	-0.64
7B4C18		2,388	60	0.59	2,329	14	0.15
8X9ZNR		2,408	80	0.78	2,396	81	0.92
9F8XP6		2,317	-11	-0.11	2,319	4	0.04
9VRZT9		2,263	-66	-0.64	2,273	-42	-0.48
9ZLE42	X	1,950	-378	-3.71	1,940	-375	-4.27
A3571B		2,338	10	0.09	2,282	-34	-0.38
APMBT2		2,115	-214	-2.09	2,141	-174	-1.98
C7TT2Q	X	2,460	132	1.29	2,581	265	3.01
CCXDND		2,201	-127	-1.25	2,217	-99	-1.12
CP2SDQ		2,268	-60	-0.59	2,264	-51	-0.58
EXR799		2,480	152	1.49	2,429	114	1.29
G5HETP		2,441	112	1.10	2,388	73	0.82
GZDNAZ	*	2,490	161	1.58	2,506	190	2.16
H8CHBX		2,403	75	0.73	2,377	61	0.70
HQSF2W		2,257	-71	-0.70	2,267	-48	-0.55
K1V2ZK	X	2,282	-47	-0.46	2,392	77	0.87
K8NH8C	X	1,660	-668	-6.54	1,705	-610	-6.93
P2XRGQ	*	2,294	-34	-0.34	2,209	-107	-1.21
PV4CGJ		2,568	240	2.35	2,500	184	2.09
PXYMKD		2,280	-49	-0.48	2,280	-35	-0.40
QJ5L79		2,155	-174	-1.70	2,205	-110	-1.25
QPBT8T		2,365	37	0.36	2,341	25	0.29
QPSMW2		2,323	-5	-0.05	2,325	10	0.11
UH4VEC		2,177	-152	-1.48	2,176	-139	-1.58
VUX5QB		2,424	96	0.94	2,393	78	0.89
VVM9SC		2,276	-53	-0.52	2,268	-48	-0.54
WRFX74		2,441	113	1.10	2,432	117	1.32
Y2R7YC		2,372	43	0.42	2,387	72	0.81

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C77 Lab Mean	Sample C77 Diff from Grand Mean	Sample C77 CPV	Sample C78 Lab Mean	Sample C78 Diff from Grand Mean	Sample C78 CPV
YQPHMC		2,320	-8	-0.08	2,322	7	0.08
YQQAHX		2,330	2	0.02	2,320	4	0.05
YUJL3X		2,288	-40	-0.39	2,282	-33	-0.38
YUWZM1		2,296	-33	-0.32	2,286	-30	-0.34

Summary Statistics

	Sample C77	Sample C78
Grand Means	2,328.4 MPa	2,315.5 MPa
Stnd Dev Btwn Labs	102.1 MPa	88.0 MPa

Statistics based on 31 of 36 reporting participants

Sample C77: ABS & Sample C78: ABS

Comments on assigned Data Flags for Test #734

144SNB (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

9ZLE42 (X) - Data for both samples are low. Possible Systematic Error.

C7TT2Q (X) - Inconsistent in testing between samples, data for Sample C78 are high.

K1V2ZK (X) - Inconsistent in testing between samples.

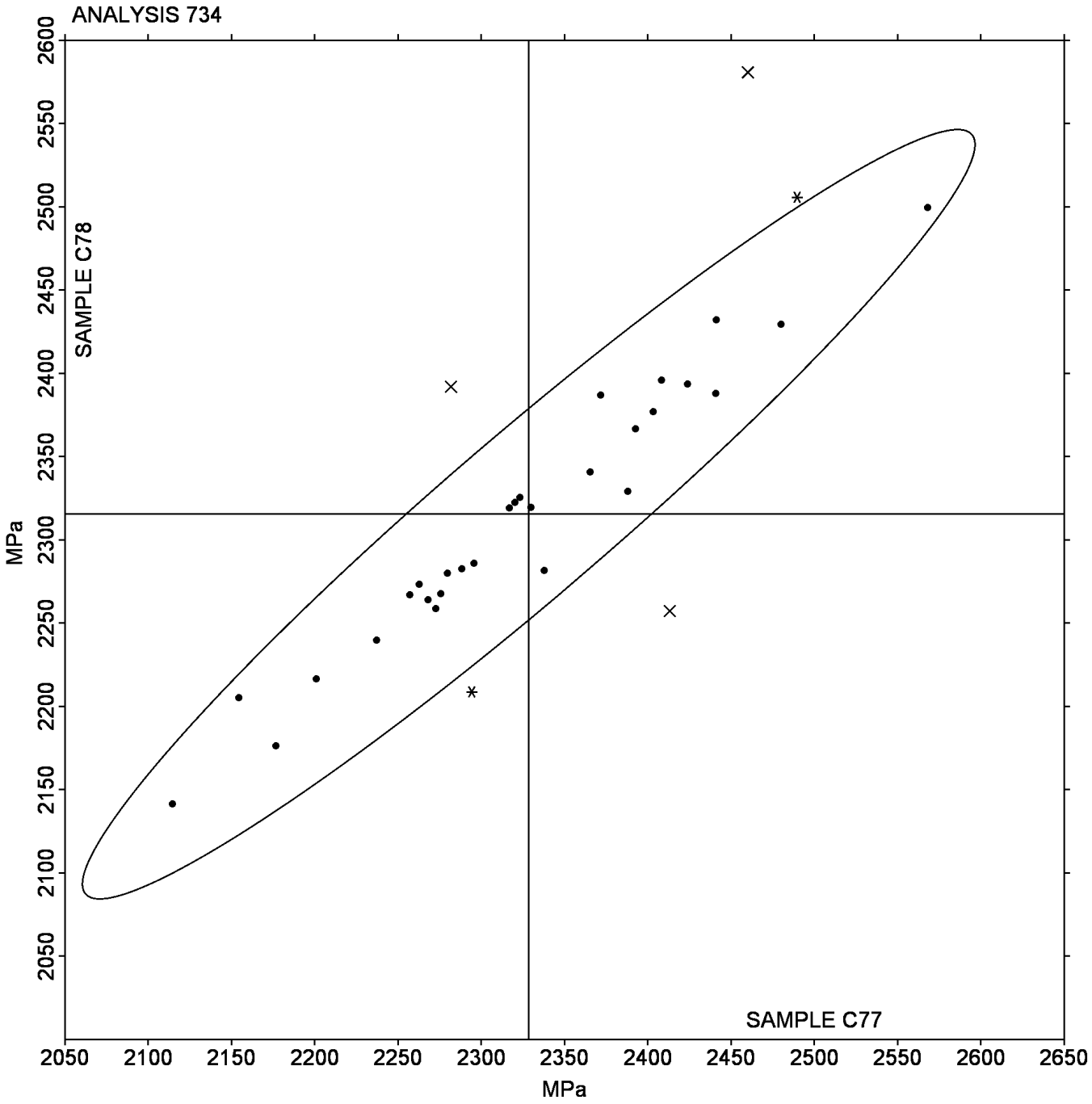
K8NH8C (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

Grand Mean Sample C77: 2,328.41 MPa Grand Mean Sample C78: 2,315.45 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J77 Lab Mean	Sample J77 Diff from Grand Mean	Sample J77 CPV	Sample J78 Lab Mean	Sample J78 Diff from Grand Mean	Sample J78 CPV
1CBS2F		381.8	22.4	1.35	397.0	23.8	1.37
1NEJPU		375.9	16.5	0.99	387.3	14.1	0.81
1UJYCN		361.4	2.0	0.12	382.2	9.0	0.52
3DAPQS	X	366.4	7.0	0.42	364.1	-9.1	-0.52
3XWYS6		350.4	-9.1	-0.55	364.2	-9.0	-0.52
3ZKFNE		369.1	9.7	0.58	382.9	9.7	0.56
5N9B23		366.3	6.9	0.41	379.5	6.3	0.36
5TXMZF		360.4	1.0	0.06	375.7	2.5	0.14
5VELQX		358.5	-1.0	-0.06	373.7	0.5	0.03
6GW22J		365.0	5.6	0.33	378.8	5.6	0.32
72U2EA	*	312.6	-46.8	-2.82	320.6	-52.6	-3.03
78MSB6		362.8	3.4	0.20	373.0	-0.2	-0.01
7JJG57		353.7	-5.7	-0.34	368.2	-5.0	-0.29
7MTC1X		330.8	-28.6	-1.72	343.1	-30.1	-1.73
8GMH1E		391.2	31.8	1.91	405.5	32.3	1.86
8QGZXJ		356.5	-2.9	-0.17	371.5	-1.7	-0.10
98EZNH	*	354.1	-5.3	-0.32	356.3	-16.9	-0.97
ABC8A3		357.1	-2.3	-0.14	371.3	-1.9	-0.11
AGPLJA		362.5	3.1	0.19	374.2	1.0	0.06
AS4A2T		374.1	14.6	0.88	380.5	7.3	0.42
B6R8XB		360.8	1.4	0.08	375.5	2.3	0.13
BEGUQ3		360.5	1.1	0.06	372.7	-0.5	-0.03
BNYZ4M	X	5.1	-354.3	-21.32	5.2	-368.0	-21.20
DBETCE	*	312.8	-46.6	-2.80	327.1	-46.1	-2.66
DJDKEG		361.8	2.3	0.14	374.2	1.0	0.06
E47WHF		354.8	-4.6	-0.28	372.6	-0.6	-0.04
EKDLMM		376.3	16.9	1.01	391.8	18.6	1.07
EMRKBA		392.8	33.4	2.01	409.0	35.8	2.06
ES5QBW		365.0	5.6	0.33	384.0	10.8	0.62
ESCJK4		359.1	-0.3	-0.02	366.9	-6.3	-0.36
FPBVJE		348.8	-10.6	-0.64	362.0	-11.2	-0.65
FPCPEZ	X	349.6	-9.8	-0.59	335.6	-37.6	-2.17

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

		Sample J77			Sample J78		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
FWKECJ		375.2	15.8	0.95	388.6	15.4	0.89
GWP4LG		338.5	-20.9	-1.26	352.2	-21.0	-1.21
HFU2J3		349.7	-9.7	-0.58	366.1	-7.1	-0.41
HJHBT3		369.1	9.7	0.58	388.8	15.6	0.90
HZ5RW1		337.7	-21.7	-1.30	358.5	-14.7	-0.85
MEJ2H3		365.3	5.9	0.36	383.4	10.2	0.59
PECZWA		368.7	9.2	0.56	390.2	17.0	0.98
PGSSCJ		362.6	3.2	0.19	376.2	3.0	0.17
PMZT7G		387.4	28.0	1.68	402.4	29.2	1.68
PZ2F5C		364.4	5.0	0.30	376.8	3.6	0.21
QWGZCG		374.5	15.0	0.90	384.1	10.9	0.63
RAPH4F		380.9	21.4	1.29	396.3	23.1	1.33
RSA7UX		323.9	-35.5	-2.14	336.7	-36.5	-2.10
S9SMRF		369.7	10.3	0.62	384.1	10.9	0.63
SGNRFA		360.0	0.6	0.03	373.3	0.1	0.01
SU34S2		359.1	-0.3	-0.02	372.9	-0.3	-0.02
TC9RP1		378.5	19.1	1.15	384.2	11.0	0.64
TT13C5		378.8	19.4	1.17	401.0	27.8	1.60
U22333		348.3	-11.1	-0.67	357.4	-15.8	-0.91
UJ535W		348.9	-10.6	-0.64	369.7	-3.5	-0.20
UWDRA6	X	267.8	-91.6	-5.51	278.5	-94.7	-5.46
VAUQX6	X	200.2	-159.2	-9.58	207.8	-165.4	-9.53
VKSM8W		347.5	-12.0	-0.72	360.0	-13.2	-0.76
VY34L9		366.6	7.2	0.43	377.2	4.0	0.23
VZFZ58		345.3	-14.1	-0.85	359.0	-14.2	-0.82
WM4LCV		370.8	11.3	0.68	383.8	10.6	0.61
WSSARD		348.1	-11.3	-0.68	363.0	-10.2	-0.59
X9CAKG		352.4	-7.0	-0.42	367.1	-6.1	-0.35
YB3QTG		360.0	0.5	0.03	368.2	-5.0	-0.29
YSL6GY		339.2	-20.2	-1.22	351.4	-21.8	-1.26
ZAKLHP		338.4	-21.0	-1.26	352.5	-20.7	-1.19
ZSFN4G		346.7	-12.7	-0.76	362.2	-11.0	-0.63

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J77 Lab Mean	Sample J77 Diff from Grand Mean	Sample J77 CPV	Sample J78 Lab Mean	Sample J78 Diff from Grand Mean	Sample J78 CPV
ZYMG1X		372.3	12.8	0.77	383.7	10.5	0.61

Summary Statistics

	Sample J77	Sample J78
Grand Means	359.42 ksi	373.21 ksi
Stnd Dev Btwn Labs	16.62 ksi	17.35 ksi

Statistics based on 60 of 65 reporting participants

Sample J77: ABS & Sample J78: ABS

Comments on assigned Data Flags for Test #720

3DAPQS (X) - Inconsistent in testing between samples.

BNYZ4M (X) - Extreme data.

FPCPEZ (X) - Inconsistent in testing between samples.

UWDRA6 (X) - Data for both samples are low.

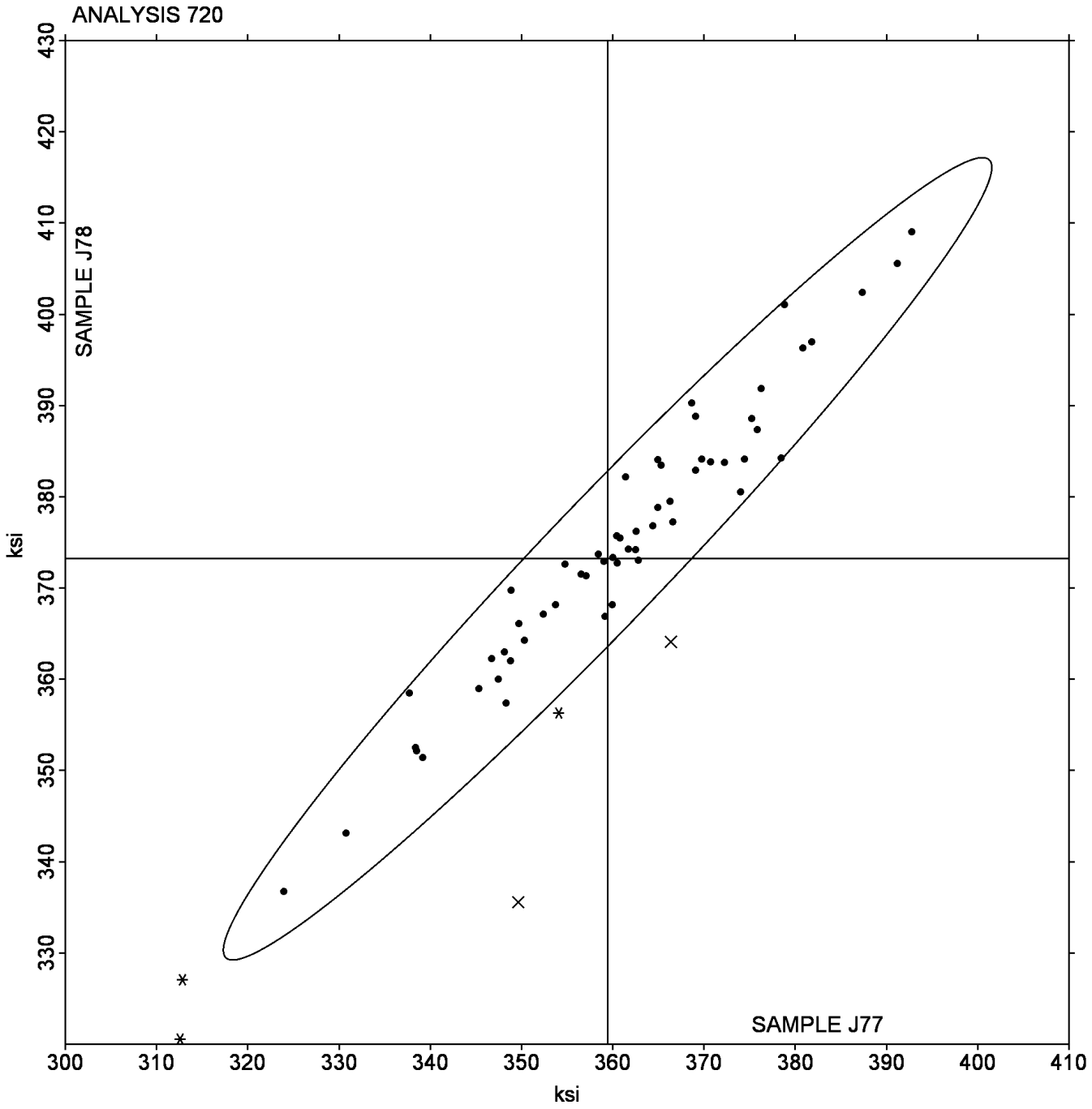
VAUQX6 (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

Grand Mean Sample J77: 359.42 ksi Grand Mean Sample J78: 373.21 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J77 Lab Mean	Sample J77 Diff from Grand Mean	Sample J77 CPV	Sample J78 Lab Mean	Sample J78 Diff from Grand Mean	Sample J78 CPV
24K5RG		10,937	112	0.34	11,375	212	0.63
2PBLG8		10,773	-52	-0.16	11,057	-106	-0.32
4ZUAHZ		10,586	-240	-0.73	10,946	-218	-0.65
5KNDFT		10,971	145	0.44	11,401	238	0.71
7R1ET7		10,899	74	0.22	11,153	-10	-0.03
8U4186	X	10,312	-514	-1.56	9,291	-1,872	-5.59
9MWCS3	*	11,377	552	1.67	11,922	759	2.27
9S2PGH		10,686	-140	-0.42	11,102	-61	-0.18
9WNUJQ		10,953	128	0.39	11,213	50	0.15
ARB5LG		10,291	-534	-1.62	10,850	-313	-0.94
BQPA7K		11,131	305	0.92	11,430	267	0.80
BVJHUM		11,113	287	0.87	11,459	296	0.88
CRFTHK		10,926	101	0.30	11,458	295	0.88
CY2UJR		10,691	-135	-0.41	11,122	-41	-0.12
D1GZYY		10,976	151	0.46	11,293	130	0.39
D77U7M		11,100	275	0.83	11,287	124	0.37
E5ZCQQ		10,387	-438	-1.33	10,620	-543	-1.62
EFD1D9		11,313	487	1.48	11,632	469	1.40
ET1235		10,775	-50	-0.15	11,009	-155	-0.46
G2Q1U8		10,349	-476	-1.44	10,640	-523	-1.56
G2Q7UG		10,589	-237	-0.72	10,862	-302	-0.90
G58LUN		10,833	8	0.02	11,395	232	0.69
JJL6HU		10,852	26	0.08	11,074	-89	-0.27
KZH9N9		10,621	-204	-0.62	11,070	-93	-0.28
L6C1G7		10,427	-399	-1.21	10,773	-390	-1.17
LFC763		10,293	-533	-1.61	10,635	-528	-1.58
MPFV7G		10,178	-648	-1.96	10,591	-572	-1.71
N9H43Q	X	3,628	-7,198	-21.80	3,734	-7,429	-22.19
NH7SQV		11,018	192	0.58	11,126	-37	-0.11
NR9FXS	X	10,000	-826	-2.50	11,000	-163	-0.49
P1GNFJ		10,928	103	0.31	11,369	206	0.61
PJ5Q6N		10,779	-46	-0.14	10,977	-186	-0.55

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J77 Lab Mean	Sample J77 Diff from Grand Mean	Sample J77 CPV	Sample J78 Lab Mean	Sample J78 Diff from Grand Mean	Sample J78 CPV
PPD247		11,384	558	1.69	11,648	485	1.45
Q6FP25		10,501	-325	-0.98	10,748	-415	-1.24
QDTAUH		10,478	-348	-1.05	10,774	-389	-1.16
RAZVH6		10,848	22	0.07	11,146	-17	-0.05
RMKA6C		10,753	-72	-0.22	11,072	-91	-0.27
RZQ8PU	M	10,944	119	0.36	No data reported for this sample		
TLQ8TP		10,642	-183	-0.55	10,986	-177	-0.53
TSZESR		10,530	-295	-0.89	10,768	-395	-1.18
U24RKG	X	9,369	-1,457	-4.41	9,996	-1,167	-3.49
VKRSQN		11,331	505	1.53	11,501	338	1.01
VR9ATQ	*	11,675	850	2.57	11,903	740	2.21
WXZ5Y7		11,030	204	0.62	11,480	317	0.95
X69NJX		11,059	233	0.71	11,601	438	1.31
XP6LRB		10,441	-384	-1.16	10,874	-289	-0.86
YR39TV		11,128	302	0.92	11,439	276	0.82
YVHZW5		10,822	-4	-0.01	11,098	-65	-0.19
Z773VP		10,949	124	0.38	11,299	136	0.41

Summary Statistics

	Sample J77	Sample J78
Grand Means	10,825.6 psi	11,163.2 psi
Stnd Dev Btwn Labs	330.2 psi	334.9 psi

Statistics based on 44 of 49 reporting participants

Sample J77: ABS & Sample J78: ABS

Comments on assigned Data Flags for Test #721

8U4186 (X) - Inconsistent in testing between samples, data for Sample J78 are low.

N9H43Q (X) - Data for both samples are low.

NR9FXS (X) - Inconsistent in testing between samples.

RZQ8PU (M) - Laboratory did not submit data for Sample J78.

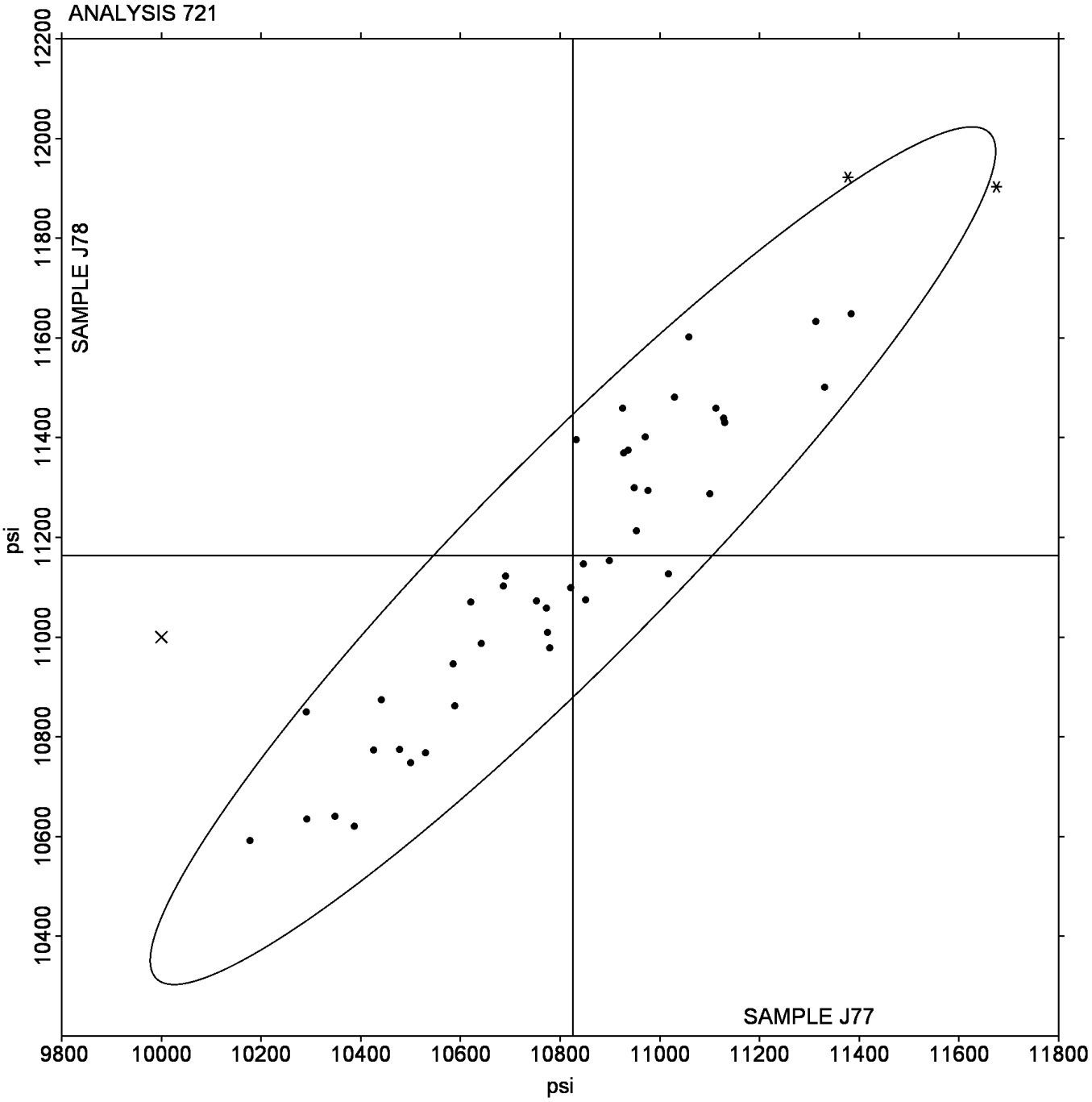
U24RKG (X) - Data for both samples are low. Possible Systematic Error.

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

Grand Mean Sample J77: 10,825.57 psi Grand Mean Sample J78: 11,163.22 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J77 Lab Mean	Sample J77 Diff from Grand Mean	Sample J77 CPV	Sample J78 Lab Mean	Sample J78 Diff from Grand Mean	Sample J78 CPV
1L7SHS		10,894	56	0.18	11,194	18	0.05
26UPXC		10,884	46	0.15	11,104	-71	-0.21
3CWS7M		10,343	-496	-1.57	10,696	-479	-1.39
4PYZCD		10,633	-205	-0.65	11,029	-146	-0.43
5BULX5		10,499	-339	-1.07	10,932	-243	-0.71
5CJ4SD		11,008	169	0.54	11,428	253	0.74
6WUXDS		10,983	145	0.46	11,504	328	0.95
7YSHEA	X	10,797	-42	-0.13	10,481	-695	-2.02
7ZKD46		11,029	190	0.60	11,323	147	0.43
9C57DK		10,969	130	0.41	11,314	138	0.40
9PZDDA	X	12,838	2,000	6.33	12,860	1,684	4.90
9V9TQC		10,977	139	0.44	11,334	158	0.46
BMDNTG		10,470	-368	-1.16	10,799	-376	-1.10
CTCWVS		10,759	-79	-0.25	11,072	-103	-0.30
DDEGGY	X	10,000	-838	-2.65	11,000	-176	-0.51
DT61UU		11,406	568	1.80	11,922	747	2.17
EVUBFF		10,978	140	0.44	11,414	239	0.69
F6QWXJ		11,277	439	1.39	11,681	506	1.47
FYS1G6		10,598	-240	-0.76	10,875	-301	-0.87
GTH7ZE		11,129	291	0.92	11,676	500	1.46
HKX3ZN		10,880	42	0.13	11,163	-13	-0.04
HL7MN2		11,376	538	1.70	11,556	381	1.11
JR2KFL		10,747	-92	-0.29	11,169	-6	-0.02
JWN9D2		10,522	-316	-1.00	10,701	-474	-1.38
JZZ7HR	X	10,330	-509	-1.61	9,330	-1,846	-5.37
KXVVG9		11,168	330	1.04	11,470	294	0.86
L7M5XN		11,512	674	2.13	11,923	748	2.18
LQ3P3K		10,960	121	0.38	11,254	78	0.23
LR6881		10,876	38	0.12	11,430	255	0.74
LTGKAJ		10,305	-533	-1.69	10,711	-465	-1.35
LTLVCE		10,994	156	0.49	11,252	76	0.22
MD1SAG		11,046	208	0.66	11,528	352	1.02

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J77 Lab Mean	Sample J77 Diff from Grand Mean	Sample J77 CPV	Sample J78 Lab Mean	Sample J78 Diff from Grand Mean	Sample J78 CPV
N275RP	X	9,503	-1,335	-4.22	10,132	-1,044	-3.04
N872GR		10,820	-18	-0.06	11,020	-156	-0.45
NRQD84		11,402	564	1.78	11,728	552	1.61
QSY84V		10,627	-212	-0.67	10,906	-269	-0.78
R1B6GD		10,644	-194	-0.61	11,002	-174	-0.50
RHSURL		11,088	250	0.79	11,465	289	0.84
RVUV3W	*	10,277	-561	-1.78	10,862	-314	-0.91
SQ5NGU		10,382	-456	-1.44	10,626	-550	-1.60
SXUCN5		11,131	293	0.93	11,459	284	0.82
SZ1B14		10,383	-455	-1.44	10,671	-504	-1.47
TMRXGK		10,833	-5	-0.02	11,004	-171	-0.50
TXEUK6		11,122	283	0.90	11,465	290	0.84
UECWN7		11,147	309	0.98	11,253	77	0.23
UHBEJD		10,957	119	0.38	11,392	216	0.63
UNR9VE		10,362	-476	-1.51	10,650	-526	-1.53
V2R27Z		10,668	-170	-0.54	11,105	-71	-0.21
V4AYFX		10,270	-568	-1.80	10,490	-686	-1.99
VPE1NF		10,834	-4	-0.01	11,108	-67	-0.20
W52VJ5		10,418	-420	-1.33	10,701	-474	-1.38
WHFS2F		10,873	35	0.11	11,052	-124	-0.36
WRQT7V		10,702	-136	-0.43	11,090	-86	-0.25
WZDRS9		10,977	139	0.44	11,346	170	0.50
X42NQ4		10,648	-190	-0.60	10,856	-320	-0.93
ZWEJQF		10,964	125	0.40	11,246	71	0.21

Summary Statistics

	Sample J77	Sample J78
Grand Means	10,838.2 psi	11,175.6 psi
Stnd Dev Btwn Labs	316.0 psi	343.7 psi

Statistics based on 51 of 56 reporting participants

Sample J77: ABS & Sample J78: ABS

Plastics Interlaboratory Testing Program
Analysis 722
Flexural Stress at Yield - psi

Comments on assigned Data Flags for Test #722

7YSHEA (X) - Inconsistent in testing between samples.

9PZDDA (X) - Data for both samples are high. Also inconsistent in testing within both samples.

DDEGGY (X) - Inconsistent in testing between samples.

JZZ7HR (X) - Inconsistent in testing between samples, data for Sample J78 are low.

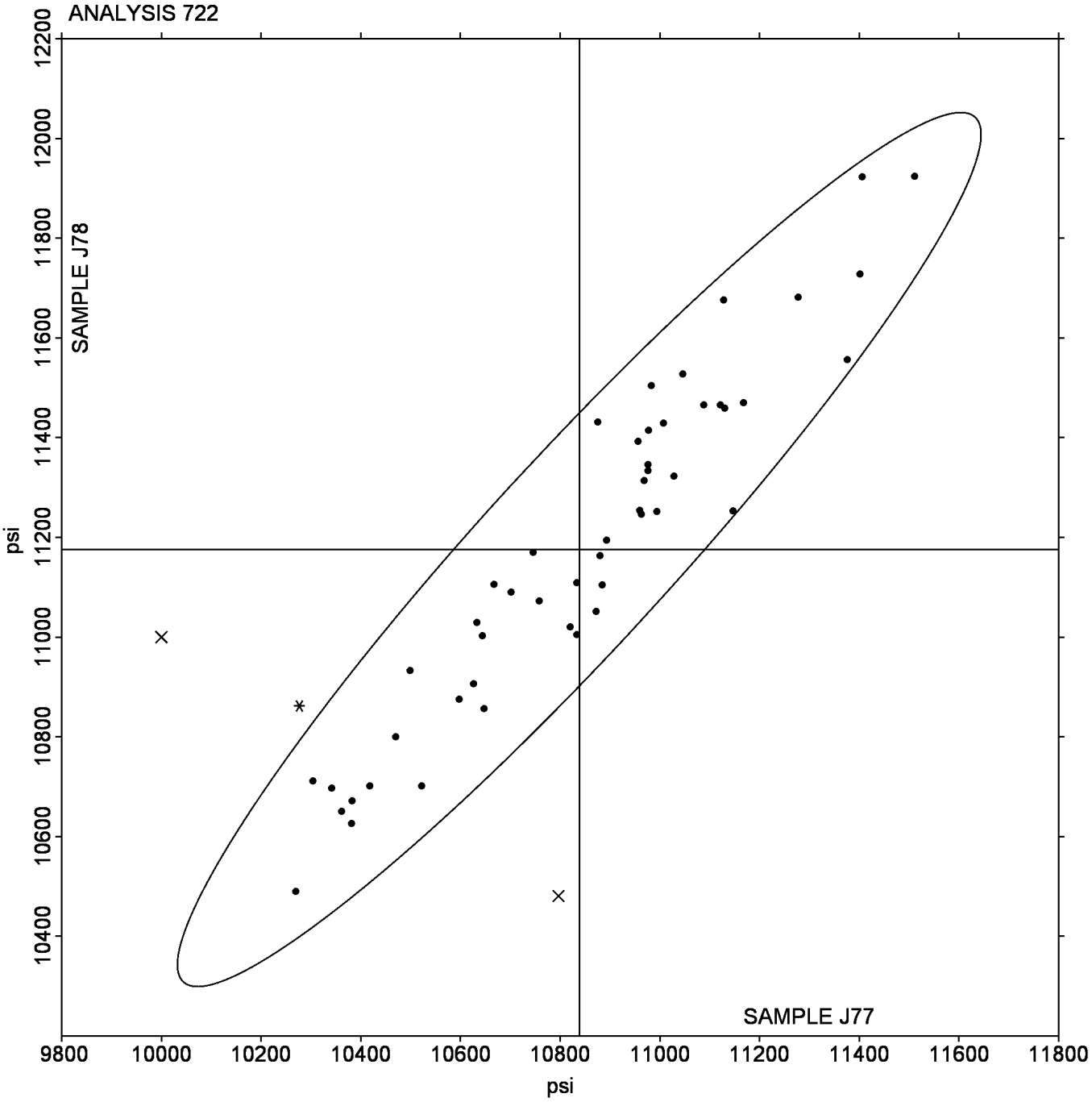
N275RP (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

Grand Mean Sample J77: 10,838.24 psi Grand Mean Sample J78: 11,175.58 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K77 Lab Mean	Sample K77 Diff from Grand Mean	Sample K77 CPV	Sample K78 Lab Mean	Sample K78 Diff from Grand Mean	Sample K78 CPV
26GVEJ		2,258	-76	-1.03	2,256	-75	-1.09
2WCDTX		2,294	-40	-0.54	2,301	-30	-0.44
3PN86V		2,276	-58	-0.78	2,324	-7	-0.10
3R2LFD		2,369	35	0.47	2,325	-6	-0.09
3T1GQ9		2,351	17	0.22	2,357	26	0.38
5JCCHK		2,454	120	1.62	2,457	125	1.82
67NNPY		2,285	-49	-0.66	2,284	-47	-0.69
6DF4WR	X	2,328	-6	-0.09	2,427	96	1.39
8ABQ83		2,308	-26	-0.35	2,294	-38	-0.55
8KB7XK		2,429	95	1.28	2,409	78	1.13
8PVYMV		2,233	-101	-1.37	2,256	-76	-1.10
9C23V5		2,306	-28	-0.38	2,299	-32	-0.47
9RY9V3	*	2,397	63	0.85	2,335	4	0.05
BJU1GN		2,266	-68	-0.92	2,262	-69	-1.00
CKLG6N		2,256	-78	-1.05	2,250	-81	-1.18
CV28UX		2,194	-140	-1.90	2,217	-114	-1.65
DNSGJE		2,370	36	0.48	2,387	55	0.80
EC6S2K		2,379	45	0.61	2,338	7	0.10
J8JDM2		2,327	-7	-0.09	2,298	-33	-0.48
KL44YR		2,346	12	0.16	2,343	12	0.18
L25E5S	X	2,128	-206	-2.78	1,420	-911	-13.21
LAJRFS		2,362	28	0.38	2,356	25	0.36
LDFDUL		2,243	-91	-1.23	2,236	-96	-1.39
LQRX54	X	2,277	-57	-0.77	2,371	40	0.58
LUAEPE		2,310	-24	-0.33	2,292	-39	-0.57
MV1WPE		2,318	-16	-0.22	2,313	-18	-0.26
N18NJY		2,398	64	0.86	2,386	55	0.80
Q6SGLL		2,446	112	1.51	2,428	97	1.40
QAJVZV		2,297	-37	-0.50	2,301	-30	-0.44
RW1FMQ		2,221	-113	-1.53	2,252	-79	-1.15
RYXQZ6		2,250	-84	-1.13	2,242	-90	-1.30
SPE6UZ		2,488	154	2.08	2,472	141	2.04

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K77 Lab Mean	Sample K77 Diff from Grand Mean	Sample K77 CPV	Sample K78 Lab Mean	Sample K78 Diff from Grand Mean	Sample K78 CPV
T3LHZR		2,316	-18	-0.25	2,302	-29	-0.42
T6WLLA		2,347	13	0.18	2,357	26	0.37
TDQT2V		2,296	-38	-0.51	2,289	-42	-0.61
UHWALQ		2,441	107	1.44	2,417	85	1.24
UK25WF		2,315	-19	-0.26	2,316	-15	-0.22
UR9Z9F		2,399	65	0.88	2,397	65	0.95
V17LTC		2,318	-16	-0.22	2,347	16	0.23
VLLCE8		2,330	-4	-0.05	2,344	13	0.18
VLRE8S		2,203	-131	-1.77	2,209	-122	-1.77
WNY9RK		2,467	133	1.80	2,474	142	2.06
WUY6E2		2,373	39	0.53	2,346	15	0.21
WZ2QB1		2,440	106	1.43	2,438	106	1.54
WZZXFF		2,295	-39	-0.53	2,308	-23	-0.34
X56X6B	X	1,852	-482	-6.51	1,874	-457	-6.63
ZYC5Z9		2,396	62	0.83	2,431	99	1.44

Summary Statistics

	Sample K77	Sample K78
Grand Means	2,334.0 MPa	2,331.3 MPa
Stnd Dev Btwn Labs	74.1 MPa	69.0 MPa

Statistics based on 43 of 47 reporting participants

Sample K77: HIPS & Sample K78: HIPS

Comments on assigned Data Flags for Test #736

6DF4WR (X) - Inconsistent in testing between samples.

L25E5S (X) - Data for both samples are low.

LQRX54 (X) - Inconsistent in testing between samples.

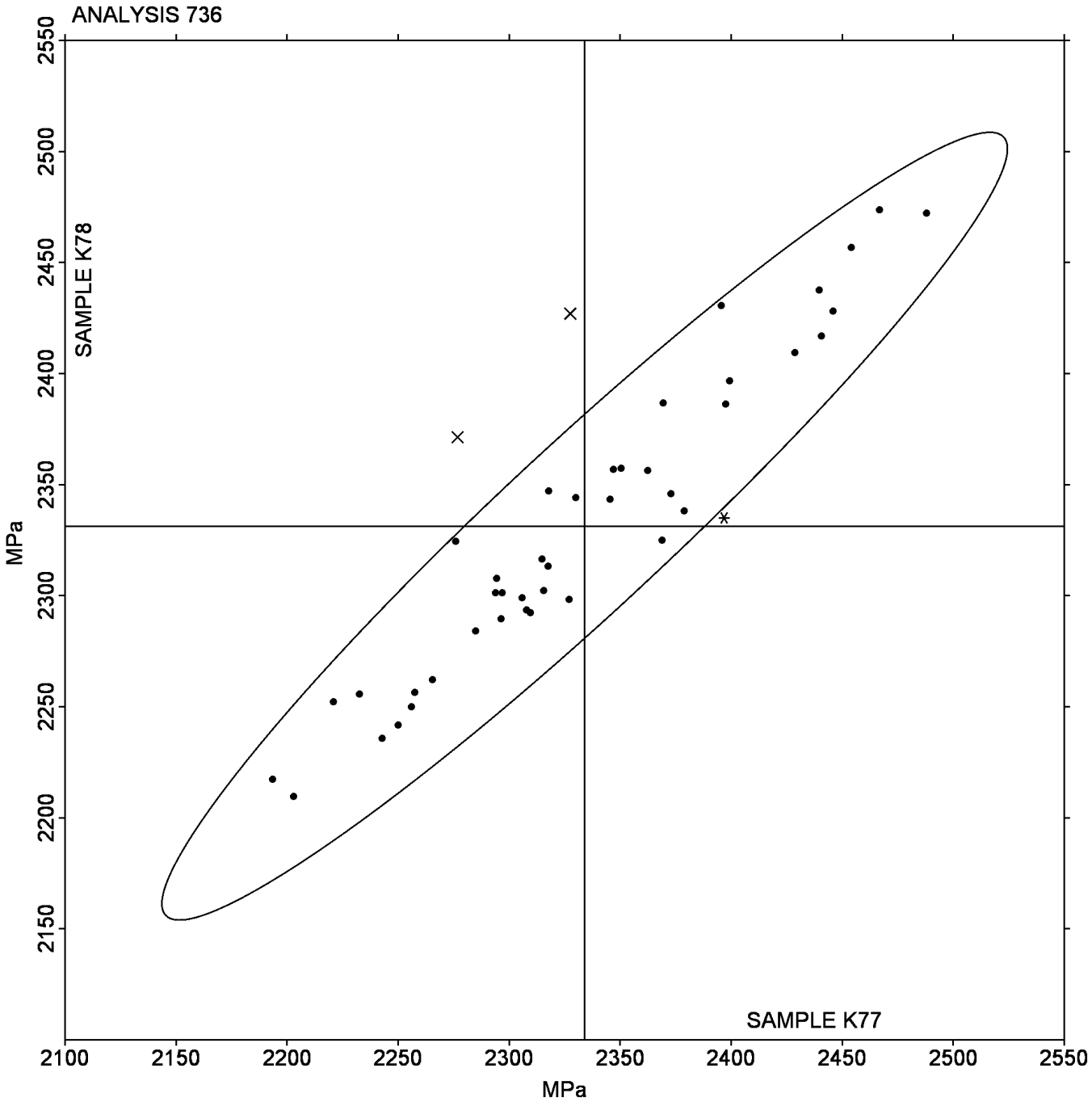
X56X6B (X) - Data for both samples are low. Also inconsistent in testing within both sample sets.

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

Grand Mean Sample K77: 2,334.02 MPa Grand Mean Sample K78: 2,331.29 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

		Sample K77			Sample K78		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
16ZHBF		46.96	-1.02	-1.01	47.02	-0.69	-0.77
226HHV		47.42	-0.57	-0.56	47.07	-0.64	-0.71
3R2N29		49.30	1.32	1.30	49.27	1.56	1.74
4NMV1D		48.76	0.78	0.76	48.32	0.61	0.68
6MAJS2		49.19	1.21	1.19	48.06	0.35	0.39
7K8ZHZ		47.65	-0.34	-0.33	46.75	-0.96	-1.07
7ZKDZZ		46.42	-1.56	-1.54	47.26	-0.45	-0.50
AVN7EZ	X	46.10	-1.88	-1.86	31.04	-16.67	-18.59
CU5B85		48.50	0.52	0.51	48.47	0.76	0.85
D155X6		49.49	1.51	1.48	48.91	1.20	1.34
EPZM93		48.43	0.44	0.43	47.14	-0.57	-0.63
F5J7GU		48.64	0.66	0.65	49.14	1.43	1.60
FFZPXK		45.76	-2.22	-2.19	45.41	-2.30	-2.57
FKKA3B		47.43	-0.55	-0.54	47.73	0.02	0.02
GRURKU		47.61	-0.37	-0.36	47.77	0.06	0.07
GZNG5T		47.72	-0.26	-0.26	46.42	-1.28	-1.43
H1RS4F		49.40	1.42	1.39	48.20	0.49	0.55
HBXREG		48.77	0.78	0.77	48.06	0.35	0.39
KA48WU		48.03	0.05	0.05	48.78	1.07	1.19
KURM96		47.69	-0.30	-0.29	47.55	-0.16	-0.18
LAH9MF		49.78	1.79	1.77	48.19	0.48	0.53
M1ZNYH		47.49	-0.50	-0.49	47.08	-0.63	-0.70
MMA4LV		48.48	0.50	0.49	47.32	-0.39	-0.43
NQGNF8		47.17	-0.81	-0.80	47.25	-0.46	-0.51
NYYZU2		48.81	0.82	0.81	49.15	1.44	1.61
PZ55H7		49.44	1.45	1.43	48.70	0.99	1.10
QA9LFC		48.45	0.46	0.46	48.87	1.16	1.30
T199PZ		47.22	-0.77	-0.75	47.39	-0.32	-0.36
T5FRFU		46.70	-1.28	-1.26	47.08	-0.63	-0.71
UVNKAA		46.60	-1.38	-1.36	46.16	-1.55	-1.73
UZD4S4	X	45.40	-2.59	-2.55	48.73	1.02	1.14
VNCWHG		47.88	-0.11	-0.10	47.83	0.12	0.13

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K77 Lab Mean	Sample K77 Diff from Grand Mean	Sample K77 CPV	Sample K78 Lab Mean	Sample K78 Diff from Grand Mean	Sample K78 CPV
VWR9MC		46.43	-1.56	-1.53	47.41	-0.30	-0.34
XHDKA7		47.62	-0.36	-0.36	47.51	-0.20	-0.23
XP6ZH1	X	45.04	-2.95	-2.90	37.46	-10.25	-11.43
Y7DGWH		47.46	-0.53	-0.52	47.68	-0.03	-0.03
ZTCRJN		48.79	0.80	0.79	47.18	-0.53	-0.59

Summary Statistics

	Sample K77	Sample K78
Grand Means	47.985 MPa	47.709 MPa
Stnd Dev Btwn Labs	1.016 MPa	0.897 MPa

Statistics based on 34 of 37 reporting participants

Sample K77: HIPS & Sample K78: HIPS

Comments on assigned Data Flags for Test #737

AVN7EZ (X) - Inconsistent in testing between samples, data for Sample K78 are low.

UZD4S4 (X) - Inconsistent in testing between samples.

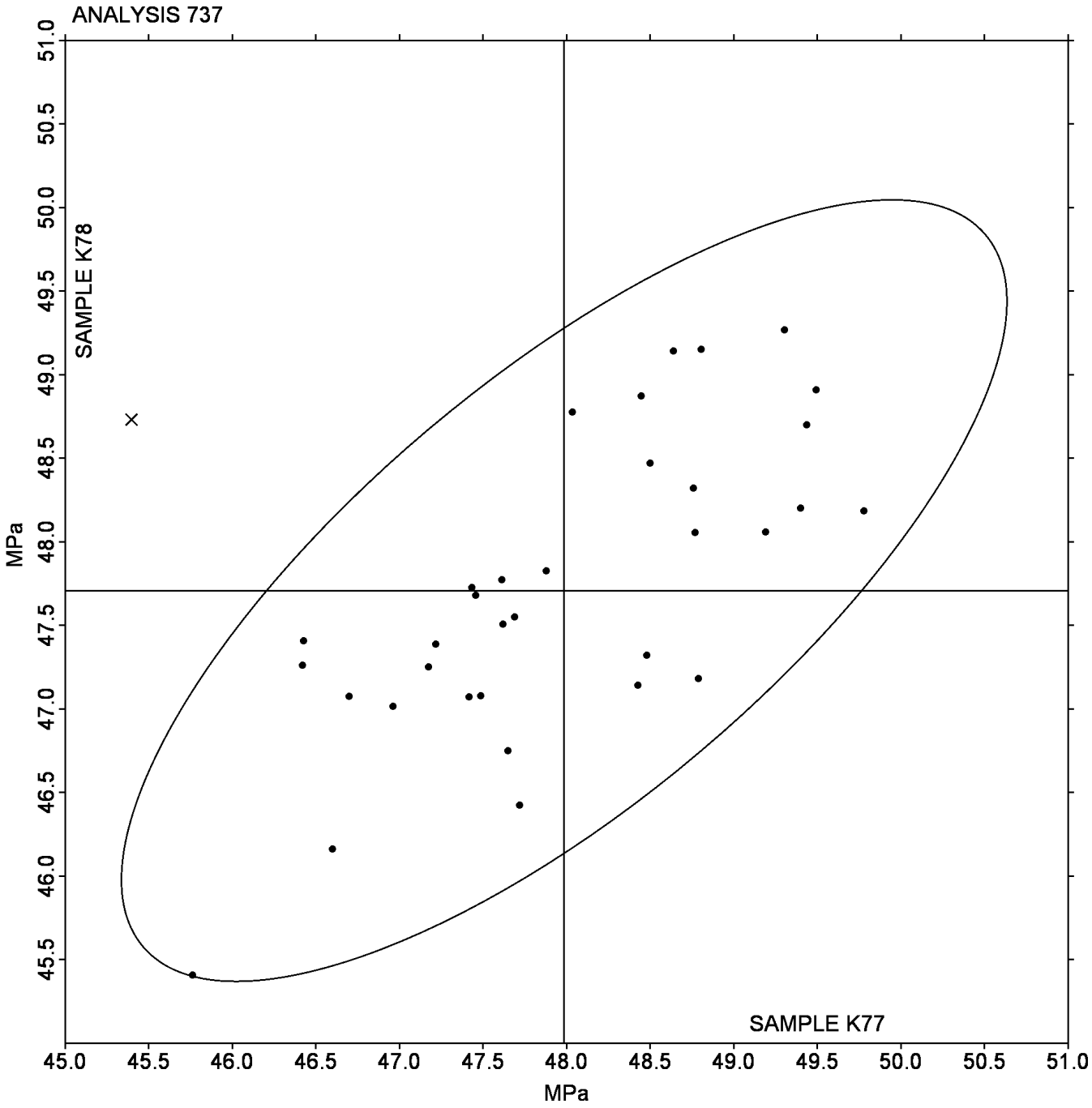
XP6ZH1 (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

Grand Mean Sample K77: 47.985 MPa Grand Mean Sample K78: 47.709 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K77 Lab Mean	Sample K77 Diff from Grand Mean	Sample K77 CPV	Sample K78 Lab Mean	Sample K78 Diff from Grand Mean	Sample K78 CPV
1325FL		47.94	-0.02	-0.02	47.90	0.12	0.12
265Q7X		48.94	0.98	0.87	48.58	0.80	0.80
42UZQ2		47.47	-0.49	-0.44	47.10	-0.68	-0.68
47XM1V	*	46.63	-1.33	-1.18	48.84	1.06	1.06
68UJ4Q		47.29	-0.68	-0.60	47.26	-0.52	-0.52
7F9LXV		47.67	-0.29	-0.26	46.80	-0.98	-0.98
81KM64		47.87	-0.09	-0.08	48.02	0.24	0.24
8XQHRR	X	45.05	-2.92	-2.59	37.48	-10.30	-10.30
8ZNWJ2	X	46.20	-1.76	-1.57	31.06	-16.72	-16.71
8ZPPJV		48.54	0.58	0.51	48.95	1.17	1.17
AUJYY2		47.90	-0.06	-0.06	47.84	0.06	0.06
AY61B7		48.52	0.56	0.50	48.49	0.71	0.71
B3XB3X		46.54	-1.42	-1.26	47.49	-0.29	-0.29
DEBMPW		47.77	-0.19	-0.17	46.44	-1.34	-1.34
DQBYEZ		48.66	0.70	0.62	47.33	-0.45	-0.45
E5UKQ9		48.35	0.39	0.35	47.20	-0.58	-0.58
E9PWFA		48.89	0.92	0.82	49.24	1.46	1.46
F5CRU7		47.01	-0.96	-0.85	46.46	-1.32	-1.32
HKUPFJ		49.99	2.03	1.80	48.29	0.51	0.51
HLC1A5		48.07	0.11	0.09	48.99	1.21	1.21
HYU1U9		47.59	-0.38	-0.33	47.93	0.15	0.15
JWHETP		46.56	-1.40	-1.25	47.50	-0.28	-0.28
L6DFWJ		46.68	-1.28	-1.14	46.18	-1.60	-1.60
LPMFQS		48.34	0.38	0.33	47.42	-0.36	-0.36
M9U1KK		45.82	-2.15	-1.91	45.40	-2.38	-2.38
NZ7EW1		46.84	-1.12	-1.00	47.58	-0.20	-0.20
QDLC1R		47.49	-0.47	-0.42	47.69	-0.09	-0.09
RDRXVY	*	51.06	3.10	2.75	49.91	2.13	2.13
SBQH9Z		49.63	1.67	1.48	48.86	1.08	1.08
UHFN1D		49.54	1.58	1.40	48.44	0.66	0.66
UNBRE1		48.70	0.74	0.65	49.14	1.36	1.36
WAJD4F		47.58	-0.39	-0.34	46.81	-0.97	-0.97

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K77 Lab Mean	Sample K77 Diff from Grand Mean	Sample K77 CPV	Sample K78 Lab Mean	Sample K78 Diff from Grand Mean	Sample K78 CPV
WQ5NBK		46.96	-1.00	-0.89	47.02	-0.76	-0.76
YHDJGK		48.76	0.80	0.71	48.36	0.58	0.58
YSREYY		47.20	-0.77	-0.68	47.25	-0.53	-0.53

Summary Statistics

	Sample K77	Sample K78
Grand Means	47.964 MPa	47.780 MPa
Stnd Dev Btwn Labs	1.126 MPa	1.000 MPa

Statistics based on 33 of 35 reporting participants

Sample K77: HIPS & Sample K78: HIPS

Comments on assigned Data Flags for Test #738

8XQHRR (X) - Inconsistent in testing between samples, data for Sample K78 are low.

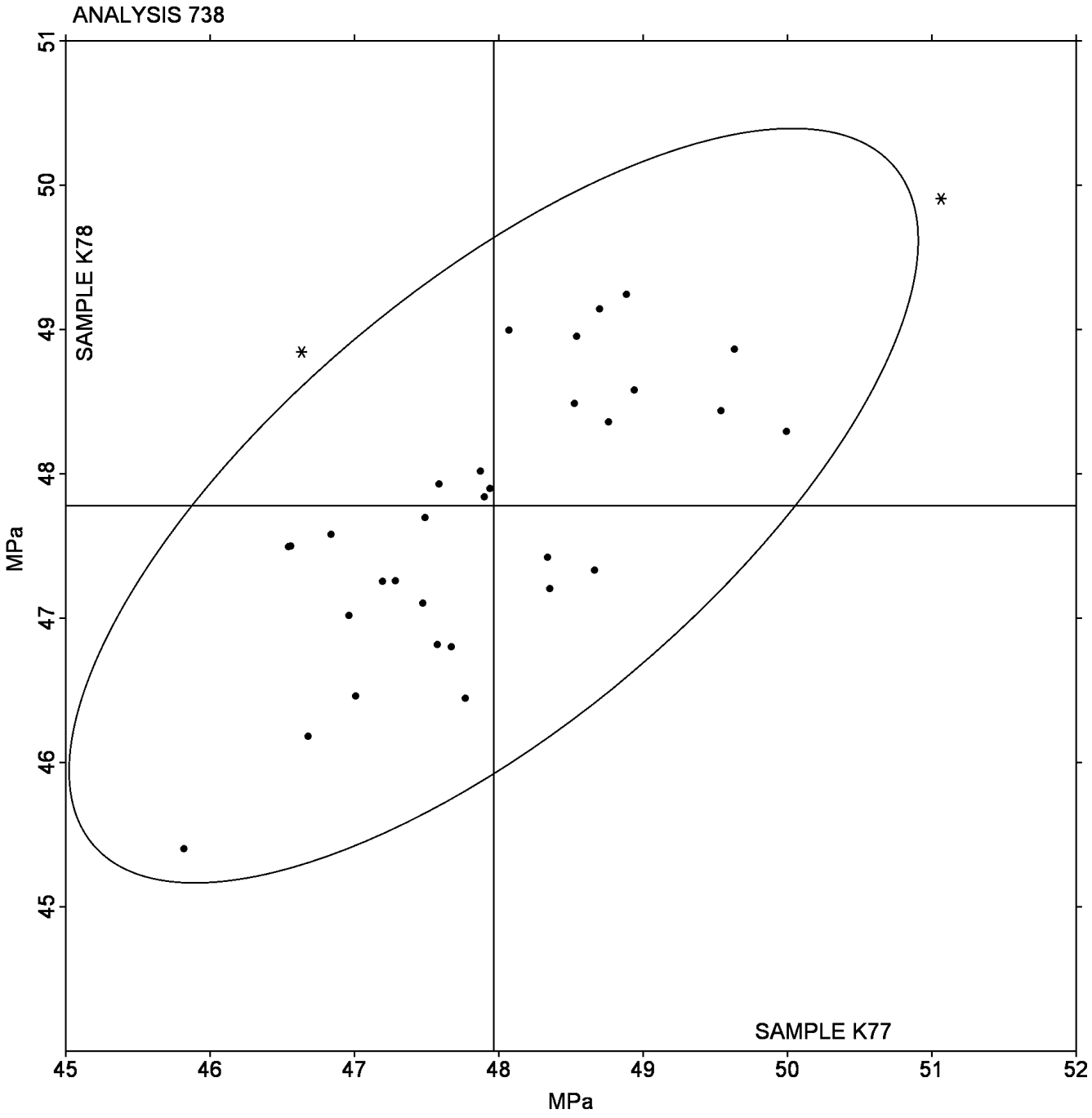
8ZNWJ2 (X) - Inconsistent in testing between samples, data for Sample K78 are low.

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

Grand Mean Sample K77: 47.964 MPa Grand Mean Sample K78: 47.780 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

		Sample S77			Sample S78			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
1HARNV	*	8.30	1.44	2.88	4.63	0.44	2.20	WZ
21QLBH		6.64	-0.22	-0.44	4.05	-0.14	-0.67	TM
316PB8		5.90	-0.96	-1.91	3.76	-0.42	-2.09	TM
31N6MP		7.10	0.24	0.47	4.28	0.10	0.49	CS
35M5W1		6.78	-0.08	-0.16	4.06	-0.12	-0.61	TM
3DN7KZ		6.64	-0.22	-0.44	4.15	-0.03	-0.14	TM
3JWJMQ		6.29	-0.57	-1.13	4.03	-0.15	-0.74	TM
3MTUAQ		6.67	-0.19	-0.37	4.21	0.02	0.12	TM
51H4T7		6.58	-0.28	-0.55	4.04	-0.14	-0.71	TM
541B68		6.00	-0.86	-1.72	3.89	-0.29	-1.45	BA
59K4TM		6.53	-0.33	-0.66	4.19	0.01	0.05	WZ
5XAHRF		6.95	0.09	0.18	4.35	0.17	0.84	CE
6MCFW5		7.61	0.75	1.50	4.51	0.32	1.62	TO
6S66QX		6.87	0.01	0.03	4.24	0.06	0.29	TO
6UK2MA	X	0.71	-6.15	-12.28	0.49	-3.70	-18.39	TO
7L7EED		6.48	-0.38	-0.76	4.20	0.02	0.09	TO
84YYE5		6.45	-0.41	-0.82	4.17	-0.02	-0.09	TO
8BASEK		6.79	-0.07	-0.14	4.03	-0.16	-0.79	CE
8TMEL1		6.57	-0.29	-0.57	4.23	0.05	0.23	CE
92PJUX	X	6.38	-0.48	-0.95	6.44	2.26	11.24	WY
9564JY		6.84	-0.02	-0.04	4.24	0.06	0.28	TM
976GK4		6.09	-0.77	-1.53	4.26	0.08	0.40	CE
9GPY3S		6.95	0.09	0.19	4.09	-0.09	-0.46	WZ
9PDCGC		6.88	0.02	0.03	4.15	-0.03	-0.15	TY
9RNQCF		6.64	-0.22	-0.43	4.00	-0.18	-0.89	TO
ARLHL7		6.19	-0.67	-1.33	4.10	-0.08	-0.40	TO
BALLEL		7.48	0.62	1.23	4.28	0.09	0.46	TM
BDELHV		7.03	0.17	0.34	3.91	-0.27	-1.35	XX
BMQCWE		7.47	0.61	1.22	4.48	0.30	1.49	XX
BP4KV1		6.60	-0.26	-0.53	4.42	0.24	1.18	TM
C4FFS8		6.00	-0.86	-1.72	4.06	-0.13	-0.63	BA
C7KRLA		6.78	-0.08	-0.16	3.96	-0.22	-1.11	TM

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

		Sample S77			Sample S78			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
C8LVKY	*	6.36	-0.50	-1.01	3.58	-0.61	-3.01	DY
CJ4VDU		6.94	0.08	0.16	4.20	0.01	0.06	XX
D3EQF4		6.84	-0.02	-0.05	4.20	0.01	0.06	TM
EFT9J6		6.51	-0.35	-0.70	4.36	0.17	0.87	BA
ETMNYS		6.97	0.11	0.23	4.10	-0.08	-0.39	TO
FB25T1		6.23	-0.63	-1.27	3.94	-0.24	-1.21	TM
FMUWV6		6.67	-0.19	-0.37	4.41	0.23	1.15	TO
GJCGZQ		7.50	0.64	1.29	4.20	0.02	0.09	TM
GV39JN		6.57	-0.29	-0.59	4.35	0.17	0.83	TO
GW1HS7		7.08	0.22	0.43	4.50	0.31	1.55	CE
GYM7XQ	X	30.57	23.71	47.36	51.69	47.50	236.27	CE
HBV1BP		6.80	-0.05	-0.11	4.25	0.07	0.36	TO
HM7KHX	*	8.07	1.21	2.42	4.24	0.06	0.30	XX
HWQCAD		7.19	0.33	0.66	4.08	-0.11	-0.53	TO
J57WVP		6.24	-0.62	-1.24	4.05	-0.14	-0.68	TO
JV52TY		6.73	-0.13	-0.25	4.07	-0.12	-0.57	TM
K5MG5T		6.36	-0.50	-1.00	4.16	-0.02	-0.11	TM
KWF2QR		6.90	0.04	0.08	4.31	0.12	0.61	XX
L95UXL		7.22	0.36	0.72	4.11	-0.07	-0.37	TM
LDU2W8		6.95	0.09	0.18	4.02	-0.16	-0.80	TO
M6SNGK		6.58	-0.28	-0.55	4.26	0.07	0.36	TM
MCZJMK	M	6.43	-0.43	-0.87	No data reported for this sample			TO
MKDFFX		7.20	0.34	0.68	4.47	0.29	1.45	TM
NHXH91		6.59	-0.27	-0.55	4.24	0.06	0.29	BA
PXM6RS		7.69	0.83	1.67	4.20	0.02	0.09	XX
Q8QRUX		6.82	-0.04	-0.08	3.80	-0.38	-1.91	TO
Q8VG6V		6.77	-0.09	-0.18	4.41	0.23	1.13	TO
QRYMEP		6.84	-0.02	-0.04	4.04	-0.14	-0.71	CE
R97BR2		7.03	0.17	0.33	4.06	-0.12	-0.59	TO
RGCYZE		7.40	0.54	1.08	4.19	0.00	0.01	CE
RTZ7HD	*	7.73	0.87	1.75	4.77	0.59	2.93	TO
S2B7PG		7.25	0.39	0.78	4.19	0.01	0.02	TM

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S77 Lab Mean	Sample S77 Diff from Grand Mean	Sample S77 CPV	Sample S78 Lab Mean	Sample S78 Diff from Grand Mean	Sample S78 CPV	Instr Code
SLKRQ4	X	9.08	2.22	4.44	4.43	0.25	1.23	TO
ST2KY2		7.40	0.54	1.08	4.20	0.02	0.10	TO
T4F4TH		6.73	-0.13	-0.26	4.09	-0.09	-0.45	TM
T93LTS		7.02	0.16	0.31	4.39	0.21	1.05	TO
T9D8SM		7.27	0.41	0.82	4.49	0.31	1.55	XX
TFV2ND		6.99	0.13	0.26	4.03	-0.16	-0.77	CE
U4SU4T		7.21	0.35	0.70	4.44	0.26	1.30	TM
UCAJEV	X	10.66	3.80	7.60	10.11	5.92	29.46	CS
UJ7DXZ		6.47	-0.39	-0.77	4.05	-0.14	-0.68	TO
UVAUFW		6.93	0.07	0.13	4.34	0.16	0.79	TO
V51TYW		6.68	-0.18	-0.37	4.20	0.01	0.07	TO
VBJ3YC	X	8.30	1.44	2.87	4.86	0.68	3.38	BA
VM8977		7.03	0.17	0.34	4.28	0.10	0.48	TO
VSKRT4		7.54	0.68	1.36	4.18	0.00	-0.01	TO
VTC4DN	X	10.65	3.79	7.57	6.10	1.92	9.53	TO
VUKU9E		6.66	-0.20	-0.40	3.99	-0.19	-0.95	XX
WDUBYQ		7.58	0.72	1.43	4.45	0.26	1.31	XX
WYBVXS		6.81	-0.05	-0.10	4.20	0.02	0.10	TM
WYSA4Z		6.95	0.09	0.18	4.22	0.04	0.18	TO
XPUEDB		5.72	-1.14	-2.28	3.98	-0.20	-1.02	CE
Y2VWJY	*	5.73	-1.13	-2.26	3.71	-0.47	-2.34	XX
YAJMLV		7.28	0.42	0.84	4.20	0.01	0.06	CE
ZCNJPA		7.78	0.92	1.83	4.28	0.09	0.46	TO

Summary Statistics

	Sample S77	Sample S78
Grand Means	6.860 ft.lbf/in	4.183 ft.lbf/in
Stnd Dev Btwn Labs	0.501 ft.lbf/in	0.201 ft.lbf/in

Statistics based on 79 of 87 reporting participants

Sample S77: ABS & Sample S78: ABS

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

Comments on assigned Data Flags for Test #790

6UK2MA (X) - Data for both samples are low. Data may be off by a factor of 10.

92PJUX (X) - Data for Sample S78 are high.

GYM7XQ (X) - Extreme data.

MCZJMK (M) - Laboratory did not submit data for Sample S78.

SLKRQ4 (X) - Data for Sample S77 are high.

UCAJEV (X) - Data for both samples are high.

VBJ3YC (X) - Data for both samples are high.

VTC4DN (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(BA) - Baldwin

(CE) - Ceast

(CS) - CSI

(DY) - Dynatup

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WY) - Yasuda Seiki

(WZ) - Zwick

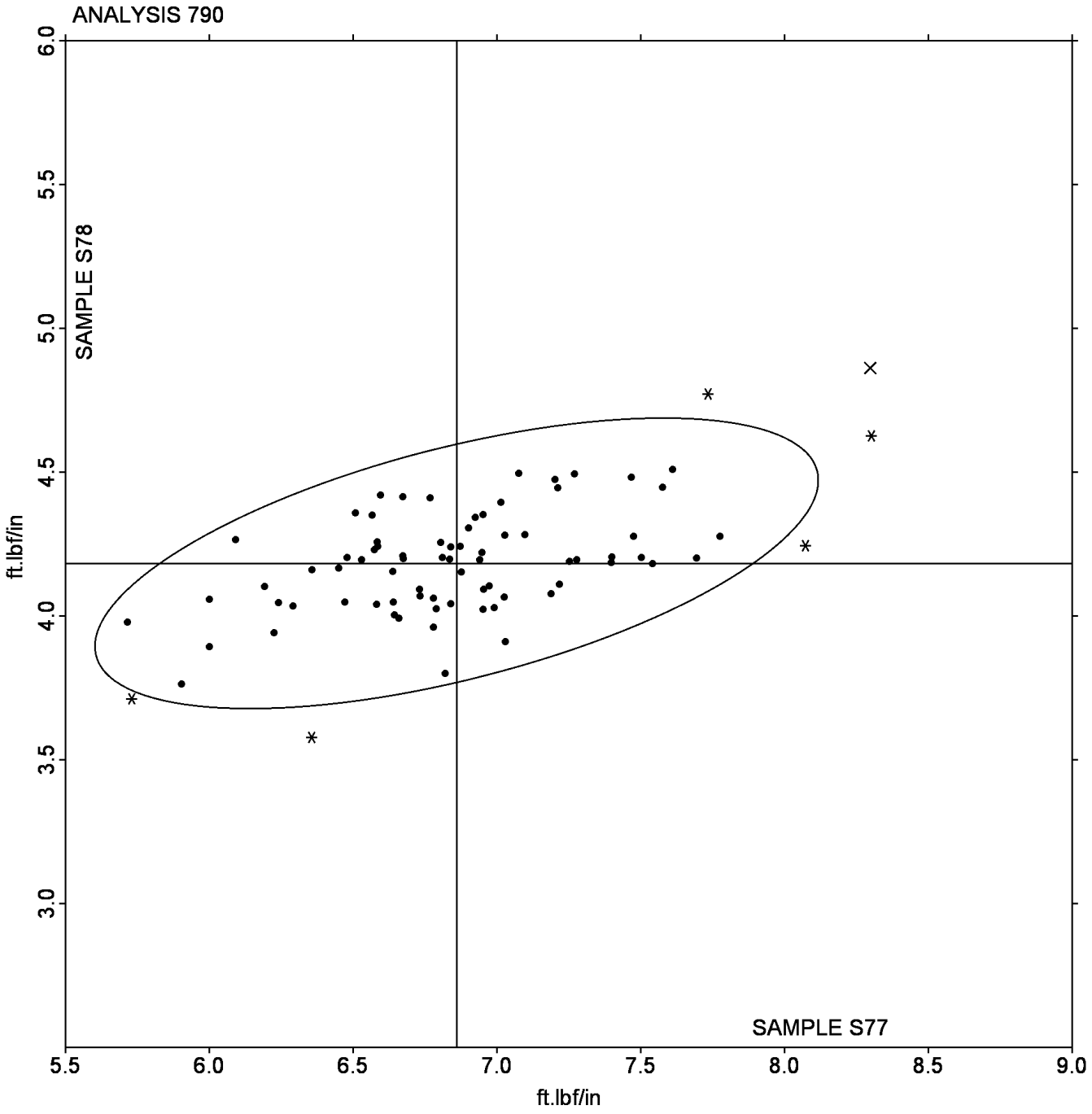
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

Grand Mean Sample S77: 6.8597 ft.lbf/in Grand Mean Sample S78: 4.1830 ft.lbf/in



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M77 Lab Mean	Sample M77 Diff from Grand Mean	Sample M77 CPV	Sample M78 Lab Mean	Sample M78 Diff from Grand Mean	Sample M78 CPV	Instr Code
3PGSNJ		30.55	0.02	0.02	29.87	0.58	0.41	TY
3R3KC7		30.74	0.21	0.16	29.22	-0.07	-0.05	WZ
781CTW	X	12.69	-17.83	-13.29	12.61	-16.67	-11.75	XX
7C243G		30.35	-0.17	-0.13	29.18	-0.11	-0.08	CE
7GH954		30.58	0.05	0.04	30.24	0.95	0.67	XX
8RDJPA		28.90	-1.63	-1.21	28.12	-1.17	-0.82	CE
CSFGD3		30.51	-0.02	-0.01	29.41	0.12	0.08	CE
DEJZTU		30.85	0.33	0.24	30.51	1.22	0.86	TM
DXMC2U		29.25	-1.28	-0.95	28.12	-1.17	-0.82	TO
EBAP4Y		30.20	-0.33	-0.24	29.06	-0.23	-0.16	CE
EJ4MMD		31.24	0.72	0.53	30.30	1.01	0.71	XX
F5RFGS		32.33	1.81	1.35	31.23	1.94	1.37	XX
FWLT2L		29.57	-0.95	-0.71	27.04	-2.25	-1.58	XX
GL3U6V		30.06	-0.47	-0.35	28.78	-0.51	-0.36	WZ
GV8JK4		32.01	1.48	1.10	30.91	1.62	1.14	CE
H945EU		28.46	-2.06	-1.54	26.14	-3.14	-2.22	XX
HTU91M		31.71	1.19	0.88	31.41	2.13	1.50	TM
J753S1		29.12	-1.41	-1.05	28.54	-0.74	-0.52	CE
JSQCQP	X	25.06	-5.46	-4.07	23.91	-5.38	-3.79	CE
KWWBBE		32.88	2.35	1.75	30.08	0.79	0.56	CE
LGB8A9		30.20	-0.33	-0.24	29.54	0.25	0.18	XX
METXF9	X	66.84	36.31	27.05	63.71	34.42	24.25	TO
MJADBF		30.39	-0.13	-0.10	30.08	0.79	0.56	TM
MMX8Y8		30.88	0.35	0.26	29.46	0.18	0.12	TO
NQDXTY	X	37.21	6.68	4.98	34.14	4.85	3.42	XX
P8QRG5		32.60	2.07	1.55	31.74	2.45	1.73	XX
QNBABC		30.16	-0.37	-0.27	29.48	0.19	0.13	KF
S2QNKG		29.62	-0.91	-0.68	26.66	-2.63	-1.85	TM
SDDWWP		30.58	0.05	0.04	29.90	0.61	0.43	XX
V8YR83	*	31.07	0.54	0.40	26.45	-2.84	-2.00	WZ
VTV4HD		29.34	-1.18	-0.88	28.91	-0.38	-0.27	CE
VX2TAT		30.58	0.06	0.04	30.40	1.11	0.78	TM

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M77 Lab Mean	Sample M77 Diff from Grand Mean	Sample M77 CPV	Sample M78 Lab Mean	Sample M78 Diff from Grand Mean	Sample M78 CPV	Instr Code
W194HF		29.34	-1.19	-0.88	28.42	-0.87	-0.61	TM
WEVE5B		30.53	0.00	0.00	29.88	0.60	0.42	TM
WJZYTX		27.83	-2.70	-2.01	27.67	-1.61	-1.14	TM
XNM8YN	*	34.41	3.89	2.90	30.46	1.18	0.83	TM

Summary Statistics

	Sample M77	Sample M78
Grand Means	30.526 kJ/m^2	29.289 kJ/m^2
Stnd Dev Btwn Labs	1.342 kJ/m^2	1.419 kJ/m^2

Statistics based on 32 of 36 reporting participants

Sample M77: ABS & Sample M78: ABS

Comments on assigned Data Flags for Test #792

781CTW (X) - Data for both samples are low.

JSQCQP (X) - Data for both samples are low. Possible Systematic Error.

METXF9 (X) - Data for both samples are high.

NQDXTY (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(CE) - Ceast

(KF) - Karl Frank GmbH

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WZ) - Zwick

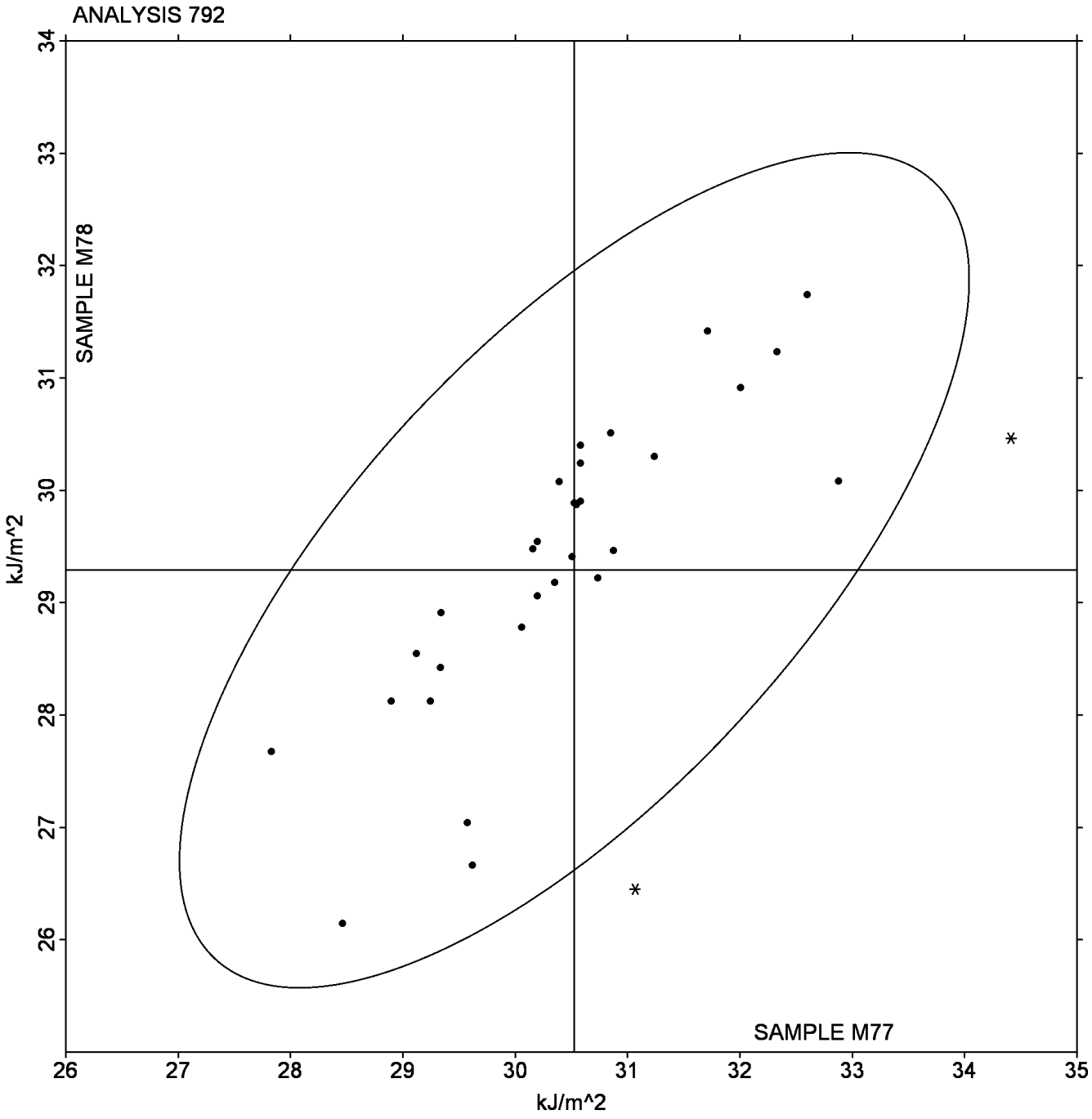
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

Grand Mean Sample M77: 30.526 kJ/m^2 Grand Mean Sample M78: 29.289 kJ/m^2



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E77 Lab Mean	Sample E77 Diff from Grand Mean	Sample E77 CPV	Sample E78 Lab Mean	Sample E78 Diff from Grand Mean	Sample E78 CPV	Instr Code
2J6U8C		79.20	0.73	0.59	83.73	0.44	0.39	AT
31KVFM		77.38	-1.09	-0.88	82.53	-0.76	-0.66	TO
52L2SP		77.38	-1.09	-0.88	82.68	-0.61	-0.53	TO
65YWGE		79.63	1.16	0.93	84.48	1.19	1.05	CS
7A5MPT		77.33	-1.14	-0.92	82.68	-0.61	-0.53	TY
8J7VJC		79.93	1.46	1.17	85.45	2.17	1.90	CE
8YQPEP		78.85	0.38	0.31	83.73	0.44	0.39	AT
9746S4		78.35	-0.12	-0.10	82.68	-0.61	-0.53	XX
9FB764		78.40	-0.07	-0.06	84.00	0.72	0.63	CE
9W9WHZ		78.80	0.33	0.27	83.95	0.67	0.59	EM
CPJXHG		79.25	0.78	0.63	84.20	0.92	0.81	CE
CQHZRK		78.55	0.08	0.07	83.28	-0.01	0.00	CE
D3DB9H		79.50	1.03	0.83	84.45	1.17	1.02	RR
DDUH2S		79.53	1.06	0.85	84.68	1.39	1.22	XA
DUTAF8		78.10	-0.37	-0.30	83.73	0.44	0.39	CE
DVGSB9		78.43	-0.04	-0.04	83.05	-0.23	-0.20	DN
DYA47N	*	80.78	2.31	1.86	83.88	0.59	0.52	TO
DYQW7A		77.30	-1.17	-0.94	81.65	-1.63	-1.43	CE
E45LQC		77.43	-1.04	-0.84	82.35	-0.93	-0.81	TO
GG8KW7		78.13	-0.34	-0.28	83.25	-0.03	-0.03	XX
H57G3T		77.75	-0.72	-0.58	83.58	0.29	0.26	XX
KBLGMM		80.58	2.11	1.70	84.85	1.57	1.37	TO
LBLDCV		80.85	2.38	1.92	85.70	2.42	2.12	TO
LFGXG4		78.13	-0.34	-0.28	83.33	0.04	0.04	CE
NYN28J		78.15	-0.32	-0.26	82.63	-0.66	-0.57	XX
P539ZK		79.15	0.68	0.55	83.38	0.09	0.08	TO
PGM4QR		77.25	-1.22	-0.98	80.90	-2.38	-2.08	XX
PLH99H		79.73	1.26	1.01	83.73	0.44	0.39	XX
PUYURM		79.43	0.96	0.77	84.23	0.94	0.83	XX
R8ZFRP		77.50	-0.97	-0.78	83.45	0.17	0.15	AI
TDRSXP	*	76.35	-2.12	-1.71	80.43	-2.86	-2.50	CE
TY23AB		79.30	0.83	0.67	83.38	0.09	0.08	TO

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E77 Lab Mean	Sample E77 Diff from Grand Mean	Sample E77 CPV	Sample E78 Lab Mean	Sample E78 Diff from Grand Mean	Sample E78 CPV	Instr Code
U3BMSJ		76.93	-1.54	-1.25	82.48	-0.81	-0.71	AT
V8XLFS	*	75.00	-3.47	-2.80	81.11	-2.17	-1.90	TO
V9RK4J		79.53	1.06	0.85	83.03	-0.26	-0.22	TO
VLCR56		77.88	-0.59	-0.48	82.98	-0.31	-0.27	RO
WL9Y1Q	X	98.68	20.21	16.30	96.75	13.47	11.79	XX
WP31KR		78.55	0.08	0.07	83.08	-0.21	-0.18	AT
X7VS3Z		77.60	-0.87	-0.70	82.08	-1.21	-1.06	XX

Summary Statistics

	Sample E77	Sample E78
Grand Means	78.469 Degrees C	83.281 Degrees C
Stnd Dev Btwn Labs	1.239 Degrees C	1.142 Degrees C

Statistics based on 38 of 39 reporting participants

Sample E77: ABS & Sample E78: ABS

Comments on assigned Data Flags for Test #710

WL9Y1Q (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

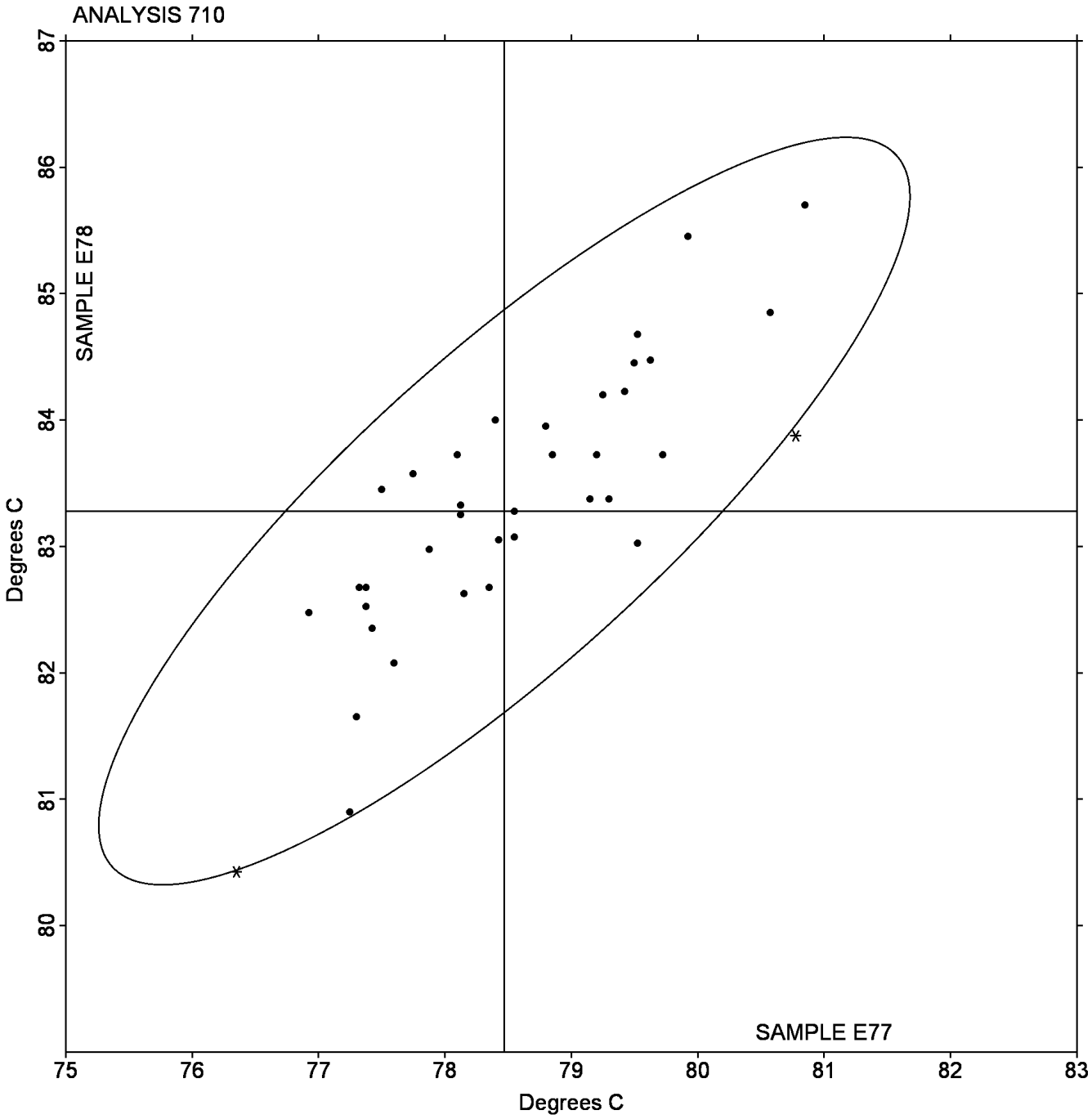
(AI) - American Instrument Co.
(AT) - Atlas
(CE) - Ceast
(CS) - CSI
(DN) - DYNISCO
(EM) - Empire-Vortex
(RO) - Rosand
(RR) - Ray-Ran
(TO) - Tinius Olsen
(TY) - Toyoseiki
(XA) - Special In-House Instrument
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

Grand Mean Sample E77: 78.469 Degrees C Grand Mean Sample E78: 83.281 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

WebCode	Data Flag	Sample G77 Lab Mean	Sample G77 Diff from Grand Mean	Sample G77 CPV	Sample G78 Lab Mean	Sample G78 Diff from Grand Mean	Sample G78 CPV	Instr Code
34CJFV		85.4	7.6	2.37	75.0	2.8	1.15	XX
47FNX7		80.6	2.8	0.88	76.6	4.4	1.78	XX
8ASDMY		80.7	2.9	0.90	76.0	3.8	1.55	XX
C4VVQH		81.9	4.1	1.27	74.3	2.1	0.86	TO
CHX56H		76.8	-1.0	-0.31	72.4	0.2	0.06	CE
CTE1GA	X	147.4	69.5	21.60	144.5	72.3	29.60	XX
J7AK89		81.4	3.6	1.11	74.0	1.8	0.74	CE
JKHML6		79.2	1.4	0.44	72.2	0.0	-0.02	XX
MJBAPY		75.3	-2.6	-0.79	71.2	-1.0	-0.42	TO
NCBRB1		77.7	-0.1	-0.03	70.8	-1.4	-0.57	TO
RVFW9D		76.5	-1.3	-0.40	70.3	-1.9	-0.79	CE
T8F9MJ		72.8	-5.0	-1.55	67.8	-4.5	-1.83	XX
TLX5LY		77.0	-0.8	-0.24	70.5	-1.7	-0.71	TO
UYB1XM		78.1	0.3	0.09	75.1	2.8	1.16	CE
WANBQF		73.6	-4.3	-1.32	69.3	-2.9	-1.21	XX
X7Z7NW		76.6	-1.2	-0.37	70.5	-1.8	-0.72	TO
YA9JBK		75.1	-2.7	-0.83	71.5	-0.8	-0.31	CE
YWDKW7		76.5	-1.3	-0.40	70.7	-1.5	-0.63	TO
ZUXPFG		75.2	-2.7	-0.82	72.0	-0.2	-0.10	CE

Summary Statistics

	Sample G77	Sample G78
Grand Means	77.80 Degrees C	72.22 Degrees C
Stnd Dev Btwn Labs	3.22 Degrees C	2.44 Degrees C

Statistics based on 18 of 19 reporting participants

Sample G77: PP & Sample G78: PP

Comments on assigned Data Flags for Test #711

CTE1GA (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(CE) - Ceast

(TO) - Tinius Olsen

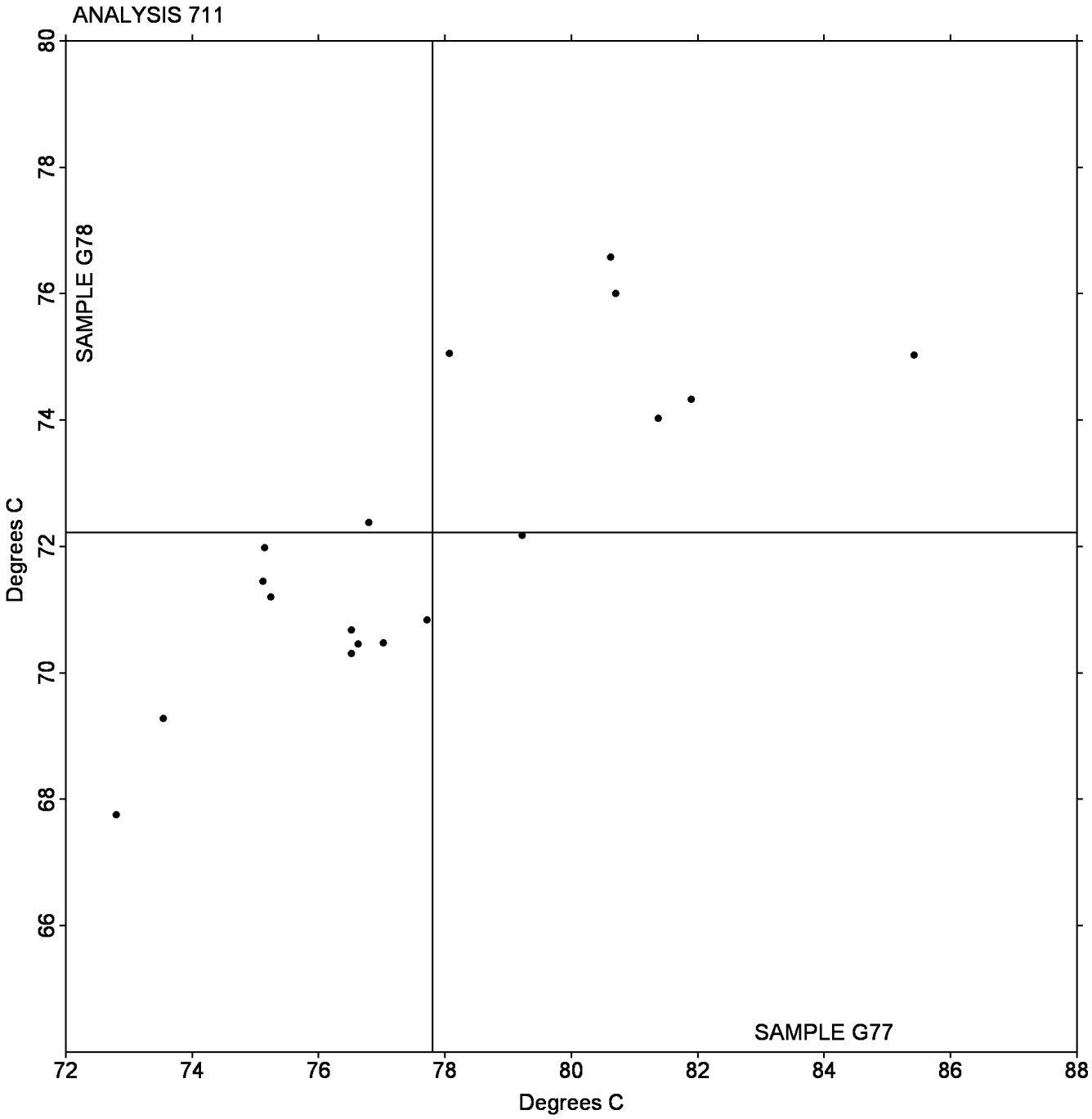
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

Grand Mean Sample G77: 77.801 Degrees C Grand Mean Sample G78: 72.218 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

WebCode	Data Flag	Sample N77 Lab Mean	Sample N77 Diff from Grand Mean	Sample N77 CPV	Sample N78 Lab Mean	Sample N78 Diff from Grand Mean	Sample N78 CPV	Instr Code
222U7G		77.53	-0.19	-0.14	90.48	-0.36	-0.28	CE
2LRB2C		78.15	0.43	0.32	91.23	0.39	0.29	XX
2T1TE4	*	75.73	-1.99	-1.47	90.65	-0.19	-0.14	XX
57ZPQU		79.10	1.38	1.02	92.33	1.49	1.13	DN
717SS9		77.28	-0.44	-0.33	89.78	-1.06	-0.81	AT
7B5NZ5		77.35	-0.37	-0.27	90.45	-0.39	-0.30	XX
83FKNG		77.28	-0.44	-0.33	90.50	-0.34	-0.26	AT
8ARGAE		80.85	3.13	2.32	94.25	3.41	2.59	XX
97P7QH		76.53	-1.19	-0.88	90.35	-0.49	-0.37	XX
98SL1J		77.05	-0.67	-0.49	91.53	0.69	0.52	CE
9ABPJP		78.15	0.43	0.32	90.38	-0.46	-0.35	XX
AL68C3		77.20	-0.52	-0.38	91.03	0.19	0.14	AT
B5EX9H		77.05	-0.67	-0.49	89.63	-1.21	-0.92	CE
DBNAQR		79.73	2.01	1.49	92.08	1.24	0.94	XX
F8UX79		77.15	-0.57	-0.42	89.38	-1.46	-1.11	CE
G7FWGS		76.88	-0.84	-0.62	90.23	-0.61	-0.47	AT
GKWFTL		77.83	0.11	0.08	90.58	-0.26	-0.20	XX
GQ9VJH	*	73.80	-3.92	-2.90	86.95	-3.89	-2.96	CE
H2VXA4		78.60	0.88	0.65	92.15	1.31	1.00	AT
PT3PDT		77.88	0.16	0.12	90.70	-0.14	-0.11	CE
Q1KZ68		79.38	1.66	1.23	91.90	1.06	0.81	AT
QAQ1LZ		77.20	-0.52	-0.38	90.33	-0.51	-0.39	XX
QSY74W		76.88	-0.84	-0.62	90.20	-0.64	-0.49	TO
V5ARX6		78.60	0.88	0.65	91.50	0.66	0.50	TY
V7SKHY		77.85	0.13	0.10	91.23	0.39	0.29	AT
VHSURN		79.20	1.48	1.10	92.58	1.74	1.32	TO
VRQF3N		76.10	-1.62	-1.20	88.73	-2.11	-1.61	CE
VS23SQ		79.50	1.78	1.32	91.93	1.09	0.83	CE
W6QZQA		77.75	0.03	0.02	90.98	0.14	0.10	TO
YJSCEV		77.98	0.26	0.19	91.20	0.36	0.27	CE

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

Summary Statistics

Grand Means				
	77.717	Degrees C	90.838	Degrees C
Stnd Dev Btwn Labs				
	1.352	Degrees C	1.315	Degrees C

Statistics based on 30 of 30 reporting participants

Sample N77: ABS/PC & Sample N78: ABS/PC

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(DN) - DYNISCO

(TO) - Tinius Olsen

(TY) - Toyoseiki

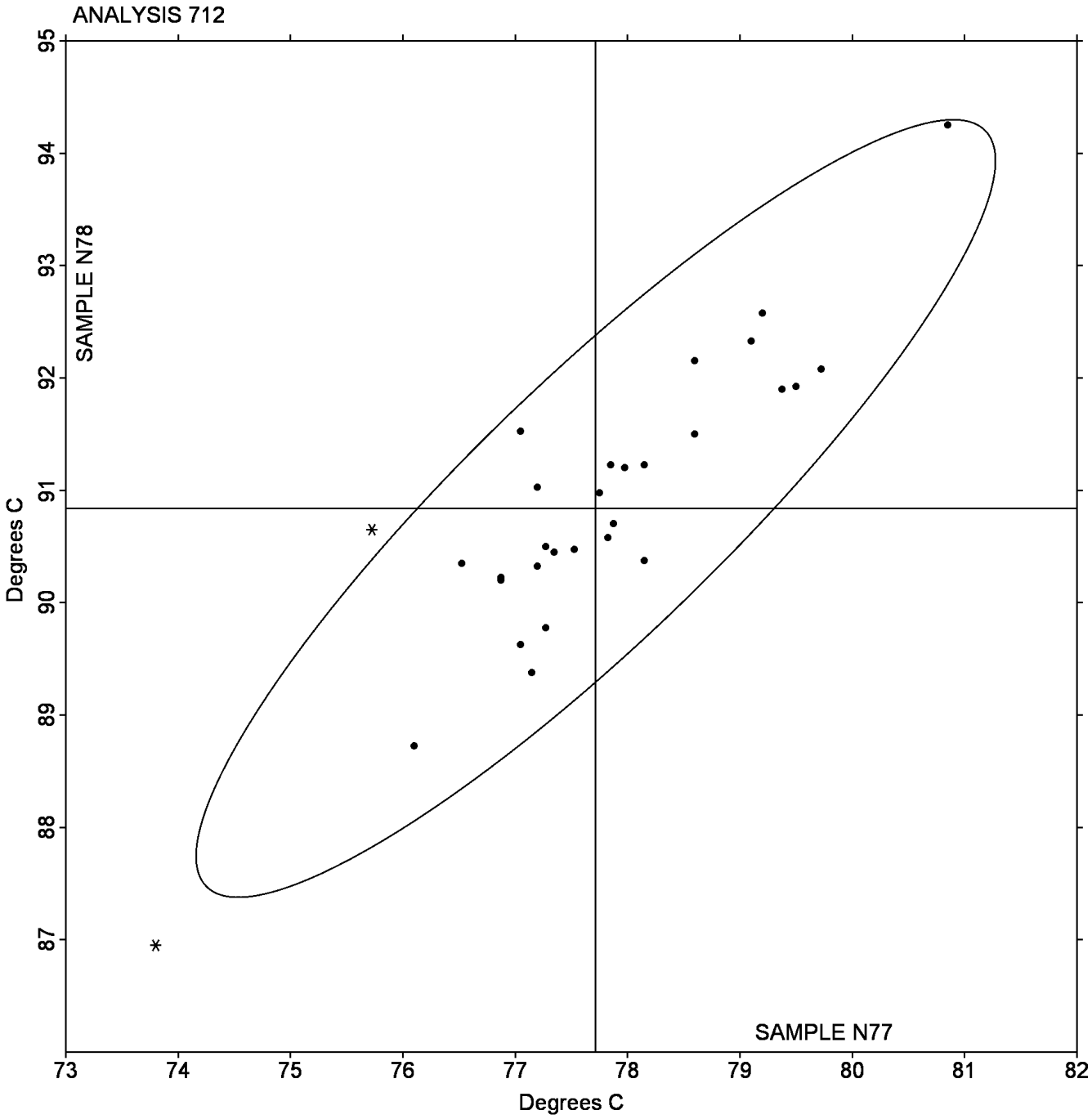
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

Grand Mean Sample N77: 77.717 Degrees C Grand Mean Sample N78: 90.838 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

WebCode	Data Flag	Sample H77 Lab Mean	Sample H77 Diff from Grand Mean	Sample H77 CPV	Sample H78 Lab Mean	Sample H78 Diff from Grand Mean	Sample H78 CPV	Instr Code
1MWA9T		104.83	0.81	0.79	103.12	0.48	0.58	CE
1ZH72L		102.93	-1.09	-1.06	102.25	-0.39	-0.48	EC
2HR5TJ		103.18	-0.84	-0.81	102.15	-0.49	-0.60	AT
47XSF6		103.13	-0.89	-0.86	102.12	-0.52	-0.64	AT
4TZKR3	X	104.88	0.86	0.84	106.20	3.56	4.35	TO
7JJDHQ		103.53	-0.49	-0.48	102.23	-0.41	-0.50	TO
8D833G		101.93	-2.09	-2.03	101.18	-1.46	-1.78	CE
8U34VL		103.43	-0.59	-0.57	102.25	-0.39	-0.48	AT
9GPGXM		104.17	0.14	0.14	102.67	0.03	0.03	CE
AUWYRF		104.72	0.69	0.67	103.32	0.68	0.83	CE
AZV928		103.47	-0.56	-0.54	101.92	-0.72	-0.88	CE
CU6QQA		103.12	-0.91	-0.88	101.98	-0.66	-0.80	DN
FK2H2G		103.43	-0.59	-0.57	102.28	-0.36	-0.43	TY
FTH3K1		105.02	0.99	0.96	103.27	0.63	0.77	AI
FVARFN		104.02	-0.01	-0.01	102.90	0.26	0.32	CE
GLEULA		104.42	0.39	0.38	103.10	0.46	0.56	TO
GQW5P6		103.23	-0.79	-0.77	102.17	-0.47	-0.58	XX
H64Y1V		104.05	0.03	0.03	102.98	0.34	0.42	AT
M86HQB		105.57	1.54	1.50	103.70	1.06	1.30	CE
MEYGN8	*	102.48	-1.54	-1.49	100.88	-1.76	-2.15	CE
NTEBS9		104.87	0.84	0.82	103.12	0.48	0.58	RO
QX4Z7F		103.43	-0.59	-0.57	101.95	-0.69	-0.84	CE
RF3F86		103.10	-0.92	-0.90	101.62	-1.02	-1.25	XX
S2LR6K		105.07	1.04	1.01	103.63	0.99	1.22	XX
VGJZBC		104.82	0.79	0.77	103.10	0.46	0.56	CE
XLQXS1		105.43	1.41	1.37	103.30	0.66	0.81	XX
YDF94Z		105.85	1.83	1.77	104.15	1.51	1.85	AT
ZVPA4L		105.38	1.36	1.32	103.92	1.28	1.56	XX

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

Summary Statistics

Grand Means				
	104.023	Degrees C	102.639	Degrees C
Stnd Dev Btwn Labs				
	1.030	Degrees C	0.818	Degrees C

Statistics based on 27 of 28 reporting participants

Sample H77: ABS & Sample H78: ABS

Comments on assigned Data Flags for Test #715

4TZKR3 (X) - Inconsistent in testing between samples, data for Sample H78 are high.

Instrument Code List as Reported by the Labs

(AI) - American Instrument Co.

(AT) - Atlas

(CE) - Ceast

(DN) - DYNISCO

(EC) - Exacal

(RO) - Rosand

(TO) - Tinius Olsen

(TY) - Toyoseiki

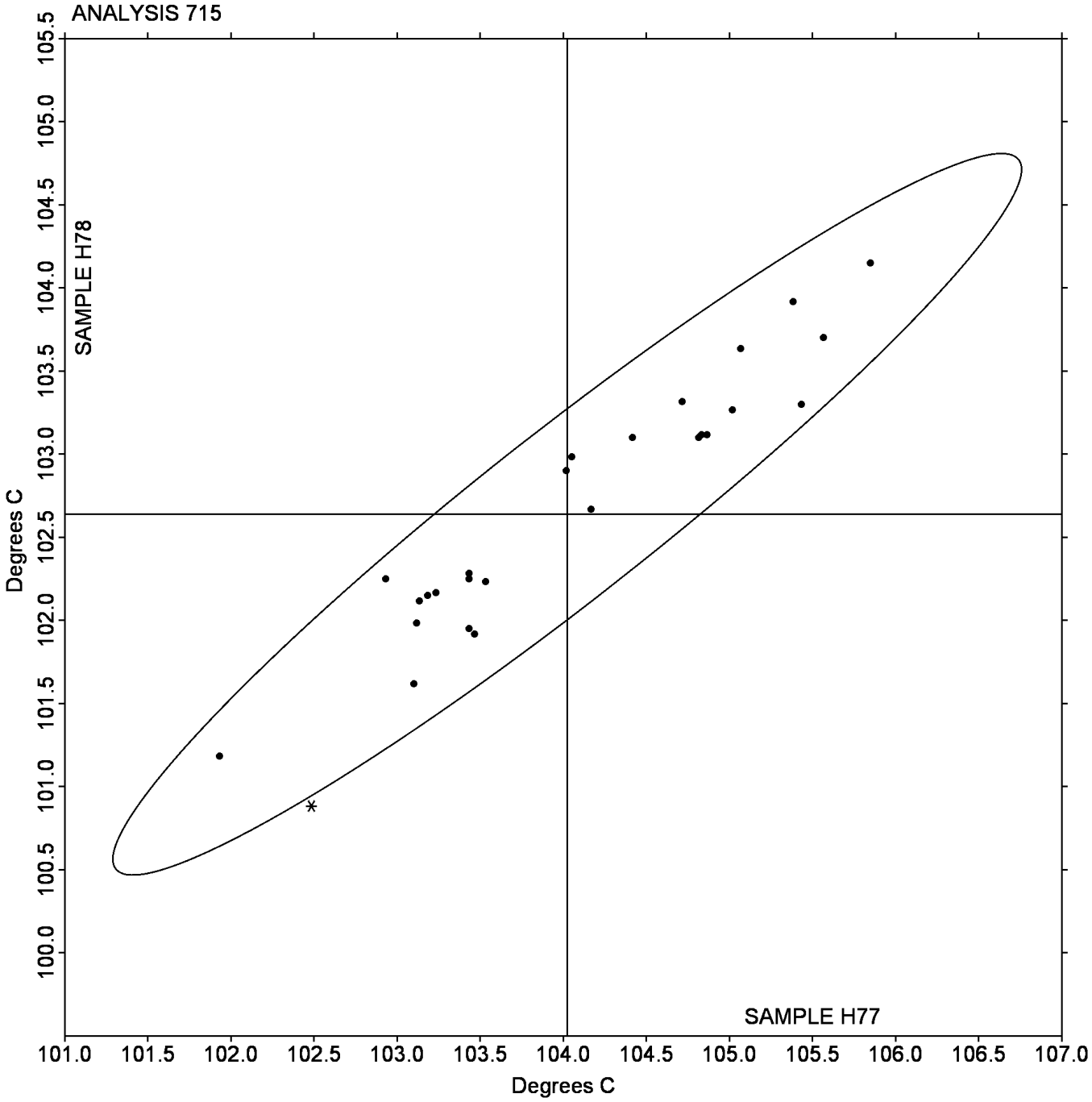
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

Grand Mean Sample H77: 104.02 Degrees C Grand Mean Sample H78: 102.64 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

WebCode	Data Flag	Sample R77 Lab Mean	Sample R77 Diff from Grand Mean	Sample R77 CPV	Sample R78 Lab Mean	Sample R78 Diff from Grand Mean	Sample R78 CPV	Instr Code
1GYYS9		103.71	-2.19	-1.86	102.80	-1.79	-1.72	CE
1ZH8ST		105.52	-0.38	-0.32	104.45	-0.14	-0.13	XX
3G3GFV		106.75	0.86	0.73	105.48	0.89	0.86	AT
3GSV4U		106.00	0.11	0.09	105.00	0.41	0.39	CE
3MJ25A		105.97	0.07	0.06	104.78	0.19	0.19	AT
3ZSQ6L		106.60	0.71	0.60	104.75	0.16	0.15	TY
5ALTD1		105.12	-0.78	-0.66	103.77	-0.82	-0.79	CE
6LXPVX		104.78	-1.11	-0.94	103.53	-1.06	-1.01	TO
7869E1		106.62	0.72	0.62	105.07	0.48	0.46	CE
7F2MEE		105.25	-0.64	-0.55	104.12	-0.47	-0.45	AT
7UNBJ8		104.42	-1.48	-1.26	102.77	-1.82	-1.75	CE
8DY4DR		107.72	1.82	1.55	105.90	1.31	1.26	CE
GXTX26		104.85	-1.04	-0.89	103.95	-0.64	-0.61	DN
KYXZSJ		105.27	-0.63	-0.53	104.58	-0.01	-0.01	CE
M8V1YY		104.18	-1.71	-1.45	103.13	-1.46	-1.40	TO
M9VZC7		107.87	1.97	1.68	106.35	1.76	1.69	XX
N9H3YJ	X	106.68	0.79	0.67	103.58	-1.01	-0.97	CE
NNC577		105.55	-0.34	-0.29	104.15	-0.44	-0.42	CE
PK34B8		105.22	-0.68	-0.58	104.15	-0.44	-0.42	XX
SGYJV5		105.52	-0.38	-0.32	104.48	-0.11	-0.10	XX
SS5X8W		104.83	-1.06	-0.90	103.85	-0.74	-0.71	XX
THCVEZ		106.35	0.46	0.39	104.60	0.01	0.01	TO
TLHB19	X	106.67	0.77	0.66	107.50	2.91	2.79	TO
TSQTD4		106.63	0.74	0.63	104.75	0.16	0.15	RO
UBBMFM		107.37	1.47	1.25	105.68	1.09	1.05	AI
VGUGXH	*	108.62	2.72	2.32	107.48	2.89	2.78	XX
WABGMP		106.62	0.72	0.62	105.08	0.49	0.47	XX
WCBXBD		105.43	-0.46	-0.39	104.23	-0.36	-0.34	AT
YQ23ZT		106.37	0.47	0.40	105.02	0.43	0.41	CE

Plastics Interlaboratory Testing Program
Analysis 716
Vicat Softening Temperature (Rate B)

Summary Statistics

Grand Means		
	105.893 Degrees C	104.590 Degrees C
Stnd Dev Btwn Labs		
	1.175 Degrees C	1.043 Degrees C

Statistics based on 27 of 29 reporting participants

Sample R77: ABS & Sample R78: ABS

Comments on assigned Data Flags for Test #716

N9H3YJ (X) - Inconsistent in testing between samples.

TLHB19 (X) - Inconsistent in testing between samples, data for Sample R78 are high.

Instrument Code List as Reported by the Labs

(AI) - American Instrument Co.

(AT) - Atlas

(CE) - Ceast

(DN) - DYNISCO

(RO) - Rosand

(TO) - Tinius Olsen

(TY) - Toyoseiki

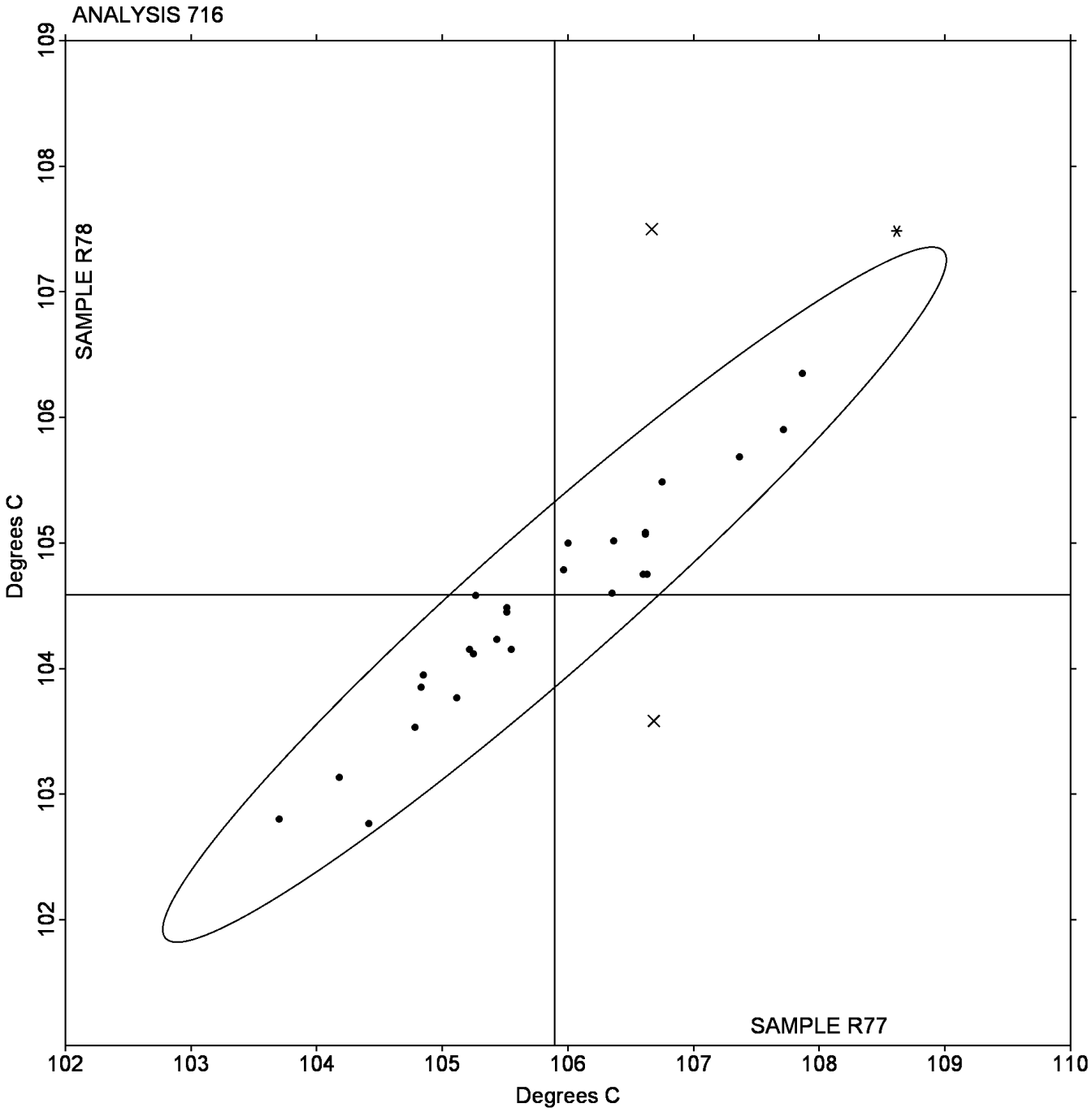
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

Grand Mean Sample R77: 105.89 Degrees C Grand Mean Sample R78: 104.59 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Report #70

Plastics Interlaboratory Testing Program

2nd Qtr 2009

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X77 Lab Mean	Sample X77 Diff from Grand Mean	Sample X77 CPV	Sample X78 Lab Mean	Sample X78 Diff from Grand Mean	Sample X78 CPV	Instr Code
1BEJPN		2.88	0.03	0.21	11.99	0.07	0.10	TO
1GVYMM		2.80	-0.05	-0.33	12.60	0.68	1.06	TO
2K1LAA		2.75	-0.10	-0.69	10.65	-1.27	-2.00	KA
2QZZ8M		2.73	-0.12	-0.84	12.07	0.14	0.22	KA
31ZPYL		2.75	-0.10	-0.69	11.65	-0.27	-0.43	TO
4N5T7M		2.65	-0.20	-1.41	11.35	-0.57	-0.90	GO
5NQQ9B		2.75	-0.10	-0.69	10.60	-1.32	-2.08	XX
5WR5SF	X	3.16	0.31	2.26	11.06	-0.86	-1.35	TO
5Y8Q2M		2.80	-0.05	-0.33	12.35	0.43	0.67	TO
7112NR		2.95	0.10	0.75	11.90	-0.03	-0.04	TO
72NS6M		2.75	-0.10	-0.69	11.65	-0.27	-0.43	DY
7V1PY7		2.75	-0.10	-0.69	11.20	-0.72	-1.13	DY
8473LP		2.75	-0.10	-0.69	12.00	0.08	0.12	TO
8ARVQF	X	2.35	-0.50	-3.58	10.10	-1.82	-2.86	TO
972RPW	X	3.40	0.55	3.99	12.50	0.58	0.90	TO
97Y16Z		2.80	-0.05	-0.33	12.75	0.83	1.30	AT
9CKU1J		2.73	-0.11	-0.81	10.95	-0.98	-1.53	CE
9JANHY		3.00	0.15	1.11	11.16	-0.77	-1.21	KA
9KE24X		3.00	0.15	1.11	12.05	0.13	0.20	TO
9VCVNN		2.69	-0.16	-1.16	11.07	-0.85	-1.34	TO
9YJN24		2.85	0.01	0.05	12.71	0.79	1.24	GO
A2V3NM		3.10	0.25	1.83	12.25	0.33	0.51	TO
B2ZYRJ		2.85	0.00	-0.01	11.45	-0.48	-0.75	DY
BSXDXN	X	2.65	-0.20	-1.41	15.15	3.23	5.06	TO
BV2ZVN		2.88	0.03	0.21	12.64	0.71	1.12	TO
CEQ8NT		2.89	0.05	0.34	12.88	0.95	1.49	KA
CUFJPC		2.65	-0.20	-1.41	11.20	-0.72	-1.13	TO
D746WC		2.75	-0.10	-0.69	12.15	0.23	0.36	GO
D81446		2.75	-0.10	-0.69	11.10	-0.82	-1.29	TO
DZWGEJ		2.80	-0.05	-0.33	11.85	-0.07	-0.12	DY
F1HC2V		2.80	-0.05	-0.33	11.60	-0.32	-0.51	TO
FLNW6V		2.85	0.00	0.03	12.20	0.28	0.43	DY

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X77 Lab Mean	Sample X77 Diff from Grand Mean	Sample X77 CPV	Sample X78 Lab Mean	Sample X78 Diff from Grand Mean	Sample X78 CPV	Instr Code
FQKGYP		3.01	0.16	1.15	12.05	0.12	0.19	TO
G4FQBK		3.15	0.30	2.19	12.65	0.73	1.14	KA
GAPVFT		3.03	0.18	1.30	11.83	-0.09	-0.14	TO
GPU46M		2.95	0.10	0.75	12.00	0.08	0.12	TO
H153Z2		2.63	-0.22	-1.59	11.24	-0.69	-1.08	TO
H2XCJK		2.65	-0.20	-1.41	10.95	-0.97	-1.53	TA
HFT1Q5		2.85	0.00	0.03	12.45	0.53	0.83	TO
HVVZ48		2.75	-0.10	-0.73	11.53	-0.39	-0.62	CE
HZG2JZ		3.06	0.22	1.56	12.43	0.51	0.80	AT
J653J5		2.90	0.05	0.39	11.25	-0.67	-1.06	DY
JAP4PA	*	2.45	-0.40	-2.85	11.00	-0.92	-1.45	GO
K49DJ1		3.00	0.15	1.11	12.19	0.27	0.42	XX
KGS346		2.83	-0.02	-0.15	12.08	0.16	0.25	TO
KNCD4T		2.80	-0.05	-0.37	10.91	-1.01	-1.59	GO
KVTVW3		2.86	0.02	0.14	11.90	-0.02	-0.04	TO
L6ZVJ1		2.98	0.13	0.97	12.71	0.79	1.23	TO
L8JYYL		2.60	-0.25	-1.77	10.80	-1.12	-1.76	AT
LNLXA2		2.82	-0.03	-0.19	11.54	-0.39	-0.61	TO
LZSNKJ		2.80	-0.05	-0.37	11.94	0.01	0.02	WZ
M2332U	X	2.06	-0.79	-5.69	8.05	-3.87	-6.08	TO
M478CR		2.83	-0.02	-0.11	12.54	0.62	0.97	TO
MCQQNH		2.70	-0.15	-1.05	11.25	-0.67	-1.06	TO
MH4GZ5		2.81	-0.04	-0.26	12.02	0.10	0.15	DY
MQFCM5		2.86	0.01	0.10	11.70	-0.22	-0.34	CS
MXARED		2.80	-0.05	-0.33	11.53	-0.40	-0.62	CE
N38F15		2.69	-0.15	-1.09	12.66	0.74	1.15	KA
N3A8WQ		3.00	0.15	1.11	11.80	-0.12	-0.19	TY
N5EYZY		2.85	0.00	0.03	12.15	0.23	0.36	TO
NBD3GA	X	2.85	0.00	-0.01	17.28	5.35	8.39	TO
NRC85T	*	3.18	0.33	2.38	13.20	1.27	1.99	QT
P3EUP6		2.85	0.00	0.03	11.70	-0.22	-0.35	XX
PAYYMJ		2.99	0.14	1.00	13.18	1.26	1.97	DY

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X77 Lab Mean	Sample X77 Diff from Grand Mean	Sample X77 CPV	Sample X78 Lab Mean	Sample X78 Diff from Grand Mean	Sample X78 CPV	Instr Code
PEXJ1P		2.84	-0.01	-0.08	12.27	0.34	0.54	TO
PG9EP2		2.76	-0.09	-0.66	11.47	-0.46	-0.72	XX
PK7TYH		2.95	0.10	0.75	12.65	0.73	1.14	TO
PQXDSS		2.90	0.05	0.39	11.95	0.03	0.04	GO
PXZVSJ		2.80	-0.05	-0.33	12.59	0.66	1.04	XX
Q1AUFA		2.97	0.12	0.86	12.30	0.38	0.59	XX
QDB9QF		3.00	0.15	1.11	12.90	0.98	1.53	XX
QEG57S		2.80	-0.05	-0.33	11.30	-0.62	-0.98	TO
R9VNQK		2.90	0.05	0.39	11.40	-0.52	-0.82	TO
SALM8C	*	3.15	0.30	2.19	11.65	-0.27	-0.43	XX
SPZJDB	*	2.45	-0.40	-2.85	10.60	-1.32	-2.08	TO
T8SK7T		2.86	0.01	0.10	12.89	0.96	1.51	KA
TJDLS9		2.95	0.10	0.75	13.00	1.08	1.69	TO
TLKMKV		2.75	-0.10	-0.69	11.10	-0.82	-1.29	RR
ULD7ST		2.88	0.03	0.21	12.45	0.53	0.83	TO
USS7VH		2.95	0.10	0.75	12.00	0.08	0.12	TO
VKY92Z		2.80	-0.05	-0.36	11.95	0.02	0.03	XX
VVDTC3		2.77	-0.08	-0.55	10.72	-1.21	-1.90	WZ
VVJ1QY	X	4.08	1.24	8.93	14.20	2.28	3.58	XX
WQPBYS		2.73	-0.12	-0.87	12.07	0.14	0.22	KA
WSZS9S		2.95	0.10	0.75	12.50	0.58	0.90	TO
WWQDSB		2.79	-0.06	-0.44	12.54	0.62	0.97	GO
X3BLYQ		2.80	-0.05	-0.33	12.60	0.68	1.06	KA
X94XKU		2.90	0.05	0.39	12.15	0.23	0.36	TO
XA5QRY		2.91	0.06	0.46	12.39	0.47	0.73	KA
Y53B8H		2.70	-0.15	-1.05	12.00	0.08	0.12	TO
YD8RNE		2.84	-0.01	-0.07	12.41	0.48	0.76	KA
YDLDQ4		2.79	-0.06	-0.42	11.72	-0.21	-0.33	WZ
YJ6LZU		2.97	0.12	0.86	12.15	0.23	0.36	DA
YQMB2P		3.01	0.17	1.20	11.30	-0.62	-0.98	KA
YRFS5T	X	1.30	-1.55	-11.15	5.45	-6.47	-10.15	TO

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X77 Lab Mean	Sample X77 Diff from Grand Mean	Sample X77 CPV	Sample X78 Lab Mean	Sample X78 Diff from Grand Mean	Sample X78 CPV	Instr Code
Z3L7KW		2.95	0.10	0.75	12.60	0.68	1.06	DY
Z72F8U	*	3.20	0.35	2.55	12.45	0.53	0.83	TO
ZGXAN5		2.82	-0.03	-0.22	11.93	0.00	0.00	TO

Summary Statistics

	Sample X77		Sample X78	
Grand Means	2.846	grams/10 mins	11.923	grams/10 mins
Stnd Dev Btwn Labs	0.139	grams/10 mins	0.638	grams/10 mins

Statistics based on 90 of 98 reporting participants

Sample X77: PP & Sample X78: PP

Comments on assigned Data Flags for Test #750

5WR5SF (X) - Inconsistent in testing between samples.

8ARVQF (X) - Data for both samples are low.

972RPW (X) - Data for Sample X77 are high.

BSXDXN (X) - Data for Sample X78 are high. Also inconsistent in testing within Sample X78.

M2332U (X) - Data for both samples are low.

NBD3GA (X) - Data for Sample X78 are high. Also inconsistent in testing within Sample X78.

VVJ1QY (X) - Data for both samples are high.

YRFS5T (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DA) - Davenport

(DY) - Dynisco

(GO) - Gottfert

(KA) - Kayeness

(QT) - Qualitest

(RR) - Ray Ran

(TA) - Takara

(TO) - Tinius Olsen

(TY) - Toyoseiki Seisakusho

(WZ) - Zwick

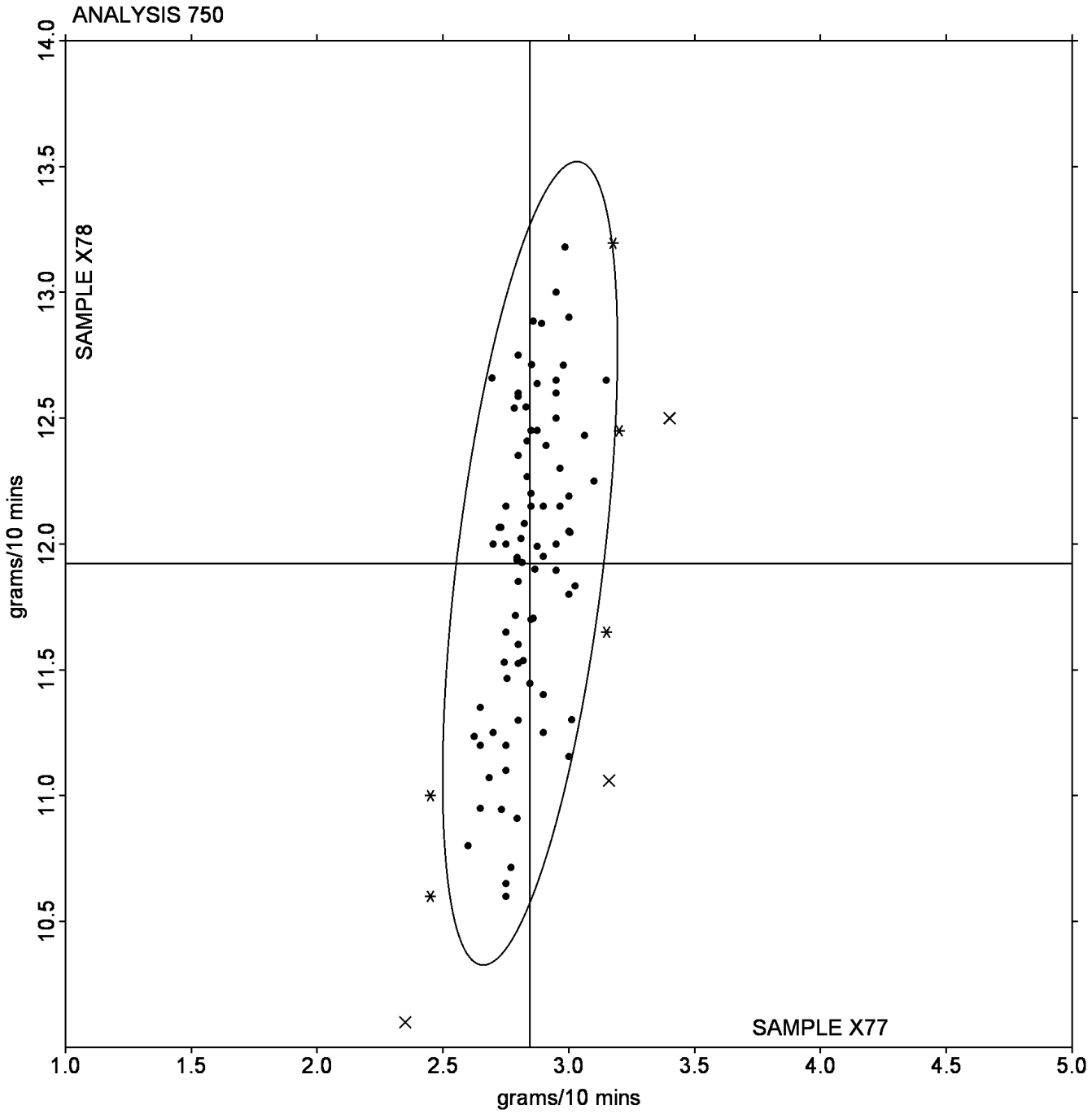
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

Grand Mean Sample X77: 2.8459 grams/10 mins Grand Mean Sample X78: 11.923 grams/10 mins



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

		Sample T77			Sample T78			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
14BTRR		1.04443	-0.00068	-0.39	1.04387	-0.00040	-0.23	XX
1UTM53		1.04643	0.00132	0.76	1.04503	0.00077	0.45	XX
2AFUPZ		1.04523	0.00012	0.07	1.04570	0.00144	0.85	XX
2S6WMH	X	1.04317	-0.00194	-1.12	1.03927	-0.00500	-2.95	XX
2TEFHT		1.04650	0.00139	0.80	1.04557	0.00130	0.77	XX
362HFQ	X	1.04147	-0.00364	-2.10	1.04547	0.00120	0.71	XX
3FEAHW		1.04727	0.00216	1.24	1.04657	0.00230	1.36	XX
3YVYWC		1.04620	0.00109	0.63	1.04473	0.00047	0.28	XX
497N62		1.04710	0.00199	1.15	1.04597	0.00170	1.00	XX
565GFK		1.04687	0.00176	1.01	1.04587	0.00160	0.94	XX
58RZY7		1.04633	0.00122	0.70	1.04470	0.00044	0.26	XX
6HBZER	*	1.04097	-0.00414	-2.39	1.03997	-0.00430	-2.53	XX
6K1LAD		1.04537	0.00026	0.15	1.04413	-0.00013	-0.08	XX
72CU78	*	1.04710	0.00199	1.15	1.04330	-0.00096	-0.57	XX
73EXGG		1.04410	-0.00101	-0.58	1.04350	-0.00076	-0.45	XX
7AULD6		1.04700	0.00189	1.09	1.04667	0.00240	1.42	XX
7E59G3		1.04400	-0.00111	-0.64	1.04200	-0.00226	-1.33	XX
81GS24		1.04563	0.00052	0.30	1.04330	-0.00096	-0.57	XX
8DY619	*	1.04037	-0.00474	-2.73	1.04163	-0.00263	-1.55	XX
8H1DSM		1.04683	0.00172	0.99	1.04537	0.00110	0.65	XX
8HBR6B		1.04403	-0.00108	-0.62	1.04190	-0.00236	-1.39	XX
8HWKMD		1.04373	-0.00138	-0.79	1.04343	-0.00083	-0.49	XX
8JUVMQ		1.04690	0.00179	1.03	1.04537	0.00110	0.65	XX
95248S	X	1.04900	0.00389	2.24	1.04357	-0.00070	-0.41	XX
975W5D	X	1.03883	-0.00628	-3.62	1.03427	-0.01000	-5.89	XX
9D7AJL		1.04717	0.00206	1.18	1.04533	0.00107	0.63	XX
9EJS15		1.04740	0.00229	1.32	1.04740	0.00314	1.85	XX
9QT9WC		1.04703	0.00192	1.11	1.04660	0.00234	1.38	XX
A79S89		1.04400	-0.00111	-0.64	1.04333	-0.00093	-0.55	XX
A9ELDK		1.04573	0.00062	0.36	1.04527	0.00100	0.59	XX
AE93NC		1.04400	-0.00111	-0.64	1.04200	-0.00226	-1.33	XX
AFRYMS		1.04670	0.00159	0.92	1.04613	0.00187	1.10	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

		Sample T77			Sample T78			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
AK766J	*	1.04387	-0.00124	-0.72	1.04560	0.00134	0.79	XX
AL18ZD		1.04500	-0.00011	-0.06	1.04567	0.00140	0.83	XX
B2PQHH	X	1.03947	-0.00564	-3.25	1.04200	-0.00226	-1.33	XX
B2PS7M		1.04377	-0.00134	-0.77	1.04357	-0.00070	-0.41	XX
B68D21		1.04543	0.00032	0.19	1.04400	-0.00026	-0.16	XX
B8SCBP		1.04267	-0.00244	-1.41	1.04137	-0.00290	-1.71	XX
BN6XVV		1.04693	0.00182	1.05	1.04623	0.00197	1.16	XX
BXUDKK		1.04467	-0.00044	-0.26	1.04367	-0.00060	-0.35	XX
C2A5GR	*	1.04433	-0.00078	-0.45	1.04600	0.00174	1.02	XX
C7TB3D	X	1.03400	-0.01111	-6.40	1.03300	-0.01126	-6.64	XX
CDETB8		1.04440	-0.00071	-0.41	1.04537	0.00110	0.65	XX
CJYBZK		1.04530	0.00019	0.11	1.04553	0.00127	0.75	XX
CTMNAF		1.04677	0.00166	0.95	1.04493	0.00067	0.39	XX
D3TK7K		1.04213	-0.00298	-1.71	1.04190	-0.00236	-1.39	XX
D98XNX		1.04687	0.00176	1.01	1.04587	0.00160	0.94	XX
EZ5W5D		1.04703	0.00192	1.11	1.04563	0.00137	0.81	XX
FQYHT2		1.04310	-0.00201	-1.16	1.04340	-0.00086	-0.51	XX
FV572B		1.04403	-0.00108	-0.62	1.04450	0.00024	0.14	XX
GBCFWV	X	1.03980	-0.00531	-3.06	1.04307	-0.00120	-0.71	XX
GCC7FZ		1.04253	-0.00258	-1.48	1.04107	-0.00320	-1.88	XX
GN418U		1.04707	0.00196	1.13	1.04677	0.00250	1.47	XX
GT2RJX		1.04187	-0.00324	-1.87	1.04073	-0.00353	-2.08	XX
GZSCYM		1.04467	-0.00044	-0.26	1.04400	-0.00026	-0.16	XX
HBSGEZ		1.04507	-0.00004	-0.03	1.04243	-0.00183	-1.08	XX
HNF6Y4		1.04500	-0.00011	-0.06	1.04447	0.00020	0.12	XX
HRLCCX		1.04320	-0.00191	-1.10	1.04253	-0.00173	-1.02	XX
HS7SAY		1.04617	0.00106	0.61	1.04550	0.00124	0.73	XX
K4FGGK		1.04490	-0.00021	-0.12	1.04410	-0.00016	-0.10	XX
KJJXRM		1.04427	-0.00084	-0.49	1.04240	-0.00186	-1.10	XX
LJ496S		1.04600	0.00089	0.51	1.04547	0.00120	0.71	XX
LSKBYT	*	1.03993	-0.00518	-2.98	1.03990	-0.00436	-2.57	XX
M86KCV		1.04257	-0.00254	-1.47	1.04157	-0.00270	-1.59	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T77 Lab Mean	Sample T77 Diff from Grand Mean	Sample T77 CPV	Sample T78 Lab Mean	Sample T78 Diff from Grand Mean	Sample T78 CPV	Instr Code
M9VZGD		1.04620	0.00109	0.63	1.04530	0.00104	0.61	XX
MT1ZLK		1.04467	-0.00044	-0.26	1.04433	0.00007	0.04	XX
MYTRM7		1.04600	0.00089	0.51	1.04533	0.00107	0.63	XX
NJXRN7		1.04430	-0.00081	-0.47	1.04443	0.00017	0.10	XX
NJYJJS		1.04327	-0.00184	-1.06	1.04260	-0.00166	-0.98	XX
NQJYCK		1.04610	0.00099	0.57	1.04500	0.00074	0.43	XX
NTDD6U		1.04277	-0.00234	-1.35	1.04220	-0.00206	-1.22	XX
NTZWFT		1.04693	0.00182	1.05	1.04533	0.00107	0.63	XX
PTKVAC		1.04367	-0.00144	-0.83	1.04233	-0.00193	-1.14	XX
Q2EJBF		1.04677	0.00166	0.95	1.04557	0.00130	0.77	XX
QF5DXZ	*	1.04713	0.00202	1.16	1.04330	-0.00096	-0.57	XX
RJFGWU	X	1.52220	0.47709	274.78	1.52630	0.48204	284.10	XX
RQH14B		1.04487	-0.00024	-0.14	1.04377	-0.00050	-0.29	XX
S2VFRA		1.04360	-0.00151	-0.87	1.04370	-0.00056	-0.33	XX
S6BULY		1.04413	-0.00098	-0.56	1.04343	-0.00083	-0.49	XX
SM58CB		1.04767	0.00256	1.47	1.04633	0.00207	1.22	XX
T5SXMD		1.04463	-0.00048	-0.28	1.04447	0.00020	0.12	XX
UGHK5H		1.04560	0.00049	0.28	1.04397	-0.00030	-0.18	XX
UKZRJJ		1.04457	-0.00054	-0.31	1.04533	0.00107	0.63	XX
V1MMFS		1.04477	-0.00034	-0.20	1.04520	0.00094	0.55	XX
VD423T		1.04323	-0.00188	-1.08	1.04287	-0.00140	-0.82	XX
VEFY8X		1.04397	-0.00114	-0.66	1.04213	-0.00213	-1.26	XX
WVXCWN		1.04627	0.00116	0.67	1.04453	0.00027	0.16	XX
XXFXZ3		1.04777	0.00266	1.53	1.04787	0.00360	2.12	XX
YAH825		1.04730	0.00219	1.26	1.04593	0.00167	0.98	XX
YFKHVR		1.04587	0.00076	0.44	1.04483	0.00057	0.34	XX
YMW2XP		1.04577	0.00066	0.38	1.04437	0.00010	0.06	XX
ZH4DX4		1.04563	0.00052	0.30	1.04373	-0.00053	-0.31	XX
ZPNZZZ		1.04703	0.00192	1.11	1.04550	0.00124	0.73	XX

Plastics Interlaboratory Testing Program
Analysis 718
Specific Gravity - sp gr 23/23 C

Summary Statistics

Grand Means		
	1.045111 sp gr 23/23 C	1.044265 sp gr 23/23 C
Stnd Dev Btwn Labs		
	0.001736 sp gr 23/23 C	0.001697 sp gr 23/23 C

Statistics based on 85 of 93 reporting participants

Sample T77: ABS & Sample T78: ABS

Comments on assigned Data Flags for Test #718

2S6WMH (X) - Inconsistent in testing between samples, data for Sample T77 are low.

362HFQ (X) - Inconsistent in testing between samples, data for Sample T77 are high. Also inconsistent in testing within Sample T77.

95248S (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

975W5D (X) - Inconsistent in testing between samples, data for Sample T78 are low.

B2PQHH (X) - Inconsistent in testing between samples. Also inconsistent in testing within Sample T78.

C7TB3D (X) - Data for both samples are low.

GBCFWV (X) - Inconsistent in testing between samples.

RJFGWU (X) - Inconsistent in testing between samples.

Instrument Code List as Reported by the Labs

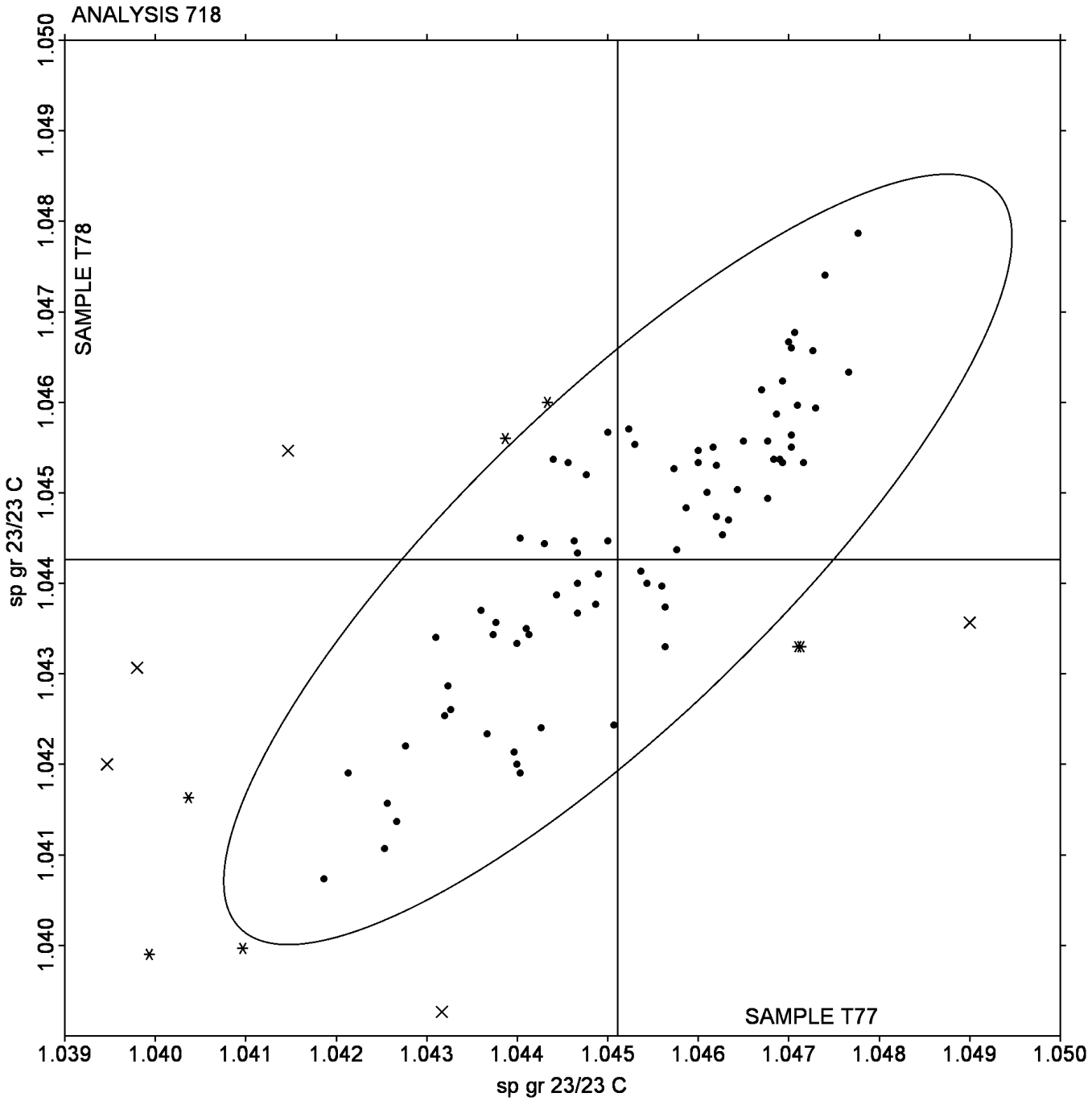
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

Grand Mean Sample T77: 1.0451 sp gr 23/23 C Grand Mean Sample T78: 1.0443 sp gr 23/23 C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L77 Lab Mean	Sample L77 Diff from Grand Mean	Sample L77 CPV	Sample L78 Lab Mean	Sample L78 Diff from Grand Mean	Sample L78 CPV	Instr Code
2MSALY		39.695	-0.086	-0.52	31.295	-0.111	-0.52	XX
2R7MTY		39.905	0.124	0.75	31.735	0.329	1.55	XX
2S5D1K		39.910	0.129	0.78	31.245	-0.161	-0.76	XX
33JFKK		39.775	-0.006	-0.03	31.280	-0.126	-0.59	XX
3MURLN		39.750	-0.031	-0.18	31.500	0.094	0.44	XX
443SG1		39.945	0.164	0.99	31.185	-0.221	-1.04	XX
5NZAN9		39.760	-0.021	-0.12	31.205	-0.201	-0.95	XX
5QD28H		39.825	0.044	0.27	31.080	-0.326	-1.54	XX
6E9DQJ		39.645	-0.136	-0.82	31.795	0.389	1.84	XX
6YM3ZC		39.743	-0.038	-0.23	31.529	0.123	0.58	XX
899Y3F		39.840	0.059	0.36	31.585	0.179	0.85	XX
9KKRRN		40.045	0.264	1.60	31.650	0.244	1.15	XX
AA6SEJ		40.000	0.219	1.33	31.460	0.054	0.26	XX
BEC84U		39.740	-0.041	-0.24	31.585	0.179	0.85	XX
BFWEVC		39.850	0.069	0.42	31.530	0.124	0.59	XX
C4X6JL		39.940	0.159	0.96	31.535	0.129	0.61	XX
CN1EHD		39.810	0.029	0.18	31.550	0.144	0.68	XX
CXJHHC	X	40.195	0.414	2.50	30.975	-0.431	-2.03	XX
DCNK6C		39.760	-0.021	-0.12	31.380	-0.026	-0.12	XX
DS72BL		39.415	-0.366	-2.21	31.135	-0.271	-1.28	XX
E7PLVK		39.660	-0.121	-0.73	31.480	0.074	0.35	XX
ED9SJ8		39.822	0.042	0.25	31.300	-0.105	-0.50	XX
EU3DWY		39.625	-0.156	-0.94	31.380	-0.026	-0.12	XX
EWGK68		39.665	-0.116	-0.70	31.070	-0.336	-1.58	XX
G9313S	*	39.364	-0.416	-2.52	31.014	-0.392	-1.85	XX
GHNCXR		39.765	-0.016	-0.09	31.535	0.129	0.61	XX
HBSLUE		39.700	-0.081	-0.49	31.200	-0.206	-0.97	XX
HH9RAZ		39.820	0.039	0.24	31.340	-0.066	-0.31	XX
HHU7R4		39.820	0.039	0.24	31.700	0.294	1.39	XX
HX2WCW		39.602	-0.179	-1.08	31.230	-0.176	-0.83	XX
JBSECS		39.810	0.029	0.18	31.090	-0.316	-1.49	XX
K2U9AA	X	39.325	-0.456	-2.75	30.645	-0.761	-3.59	XX

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L77 Lab Mean	Sample L77 Diff from Grand Mean	Sample L77 CPV	Sample L78 Lab Mean	Sample L78 Diff from Grand Mean	Sample L78 CPV	Instr Code
KCWNG3		39.575	-0.206	-1.24	31.320	-0.086	-0.40	XX
KWG2LK		39.545	-0.236	-1.42	31.275	-0.131	-0.62	XX
N1LTHQ		40.025	0.244	1.48	31.435	0.029	0.14	XX
NZBALK		39.860	0.079	0.48	31.605	0.199	0.94	XX
P5WRH4		39.620	-0.161	-0.97	31.505	0.099	0.47	XX
PQSQ5Z		39.925	0.144	0.87	31.375	-0.031	-0.14	XX
QGGMTN		39.770	-0.011	-0.06	31.580	0.174	0.82	XX
RC67AG		39.850	0.069	0.42	31.100	-0.306	-1.44	XX
TFJJ78		39.685	-0.096	-0.58	31.430	0.024	0.11	XX
UEKWAW		39.840	0.059	0.36	31.635	0.229	1.08	XX
UU87JQ		39.690	-0.091	-0.55	31.305	-0.101	-0.48	XX
VAQPTC	*	39.645	-0.136	-0.82	31.800	0.394	1.86	XX
VJMNG7		39.970	0.189	1.15	31.385	-0.021	-0.10	XX
VSDHL9		39.650	-0.131	-0.79	31.000	-0.406	-1.91	XX
WJ46AZ		39.875	0.094	0.57	31.390	-0.016	-0.07	XX
XY56W2	*	40.290	0.509	3.08	31.795	0.389	1.84	XX
Y4PCXJ		39.595	-0.186	-1.12	31.160	-0.246	-1.16	XX
YMFLG8		39.805	0.024	0.15	31.525	0.119	0.56	XX
YZXA99	X	40.290	0.509	3.08	30.730	-0.676	-3.19	XX
ZGGKP6		39.740	-0.041	-0.25	31.471	0.066	0.31	XX
ZZSHRR		40.065	0.284	1.72	31.595	0.189	0.89	XX

Summary Statistics

	Sample L77	Sample L78
Grand Means	39.7805 Percent	31.4057 Percent
Stnd Dev Btwn Labs	0.1655 Percent	0.2119 Percent

Statistics based on 50 of 53 reporting participants

Sample L77: PP & Sample L78: PP

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

Comments on assigned Data Flags for Test #757

CXJHHC (X) - Inconsistent in testing between samples.

K2U9AA (X) - Data for both samples are low.

YZXA99 (X) - Inconsistent in testing between samples. Data for Sample L77 are high and data for Sample L78 are low.

Instrument Code List as Reported by the Labs

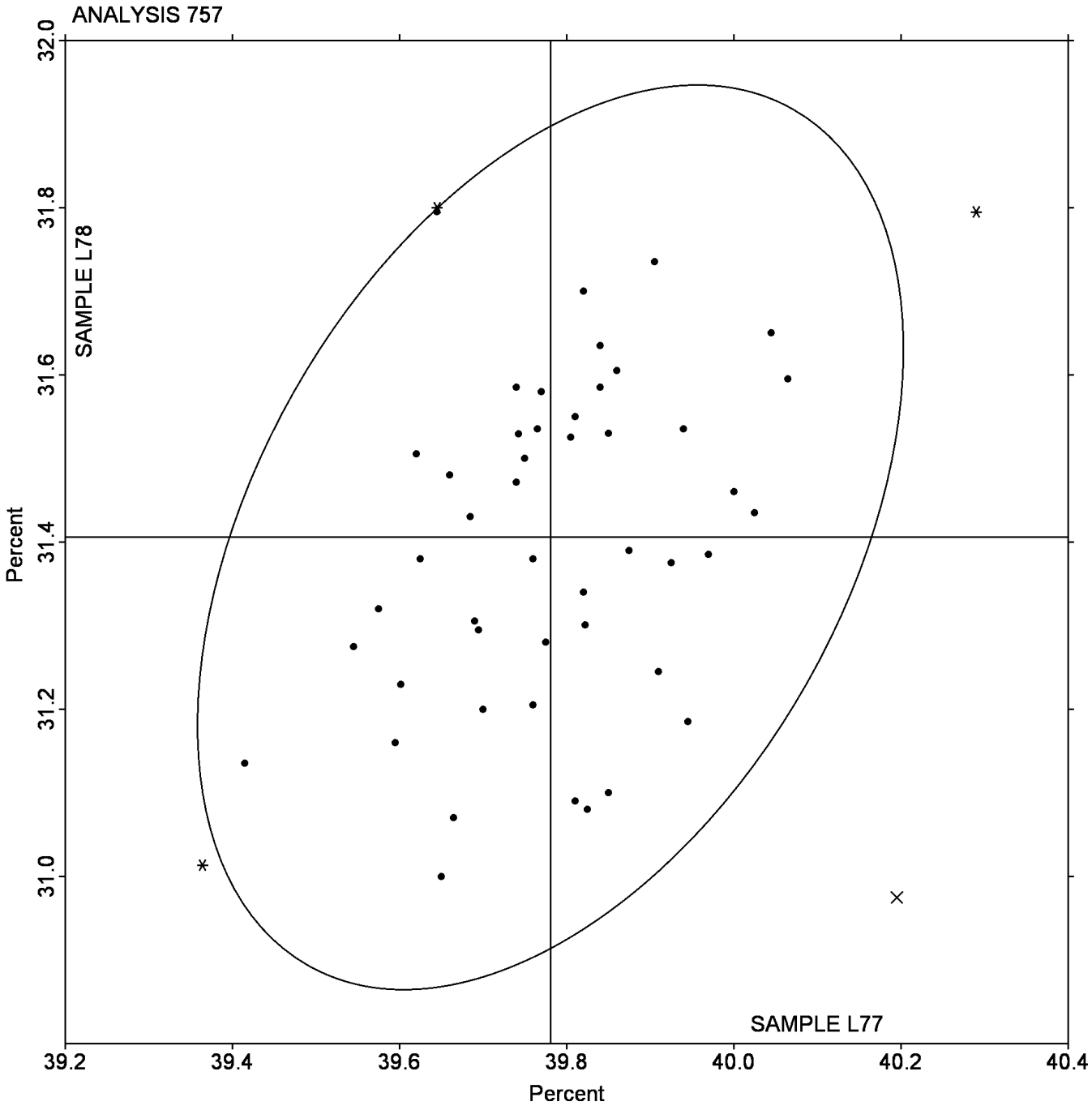
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

Grand Mean Sample L77: 39.781 Percent Grand Mean Sample L78: 31.406 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

WebCode	Data Flag	Sample B77 Lab Mean	Sample B77 Diff from Grand Mean	Sample B77 CPV	Sample B78 Lab Mean	Sample B78 Diff from Grand Mean	Sample B78 CPV	Instr Code
43UH2A		1,613	-341	-0.56	2,021	-112	-0.21	SH
65BCRP		1,852	-103	-0.17	2,227	93	0.18	IM
7ENU91	*	3,339	1,384	2.29	3,907	1,774	3.34	TH
7ZEUQW	M	No data reported for this sample			2,049	-84	-0.16	IN
8GKLWB	M	No data reported for this sample			2,180	46	0.09	IN
992USX		1,591	-363	-0.60	2,107	-26	-0.05	XX
9B8ZJZ	M	No data reported for this sample			1,977	-156	-0.29	IN
9TPJPH		3,126	1,171	1.94	2,032	-102	-0.19	IN
AVZZYH	M	No data reported for this sample			2,090	-43	-0.08	IN
FFCXMR		1,277	-678	-1.12	1,379	-755	-1.42	IN
FY3QXH		1,774	-181	-0.30	2,051	-83	-0.16	TY
G28PFB		1,861	-94	-0.15	2,175	41	0.08	IR
GAKFS7		1,742	-212	-0.35	2,225	91	0.17	TH
HS7NRV	M	No data reported for this sample			2,033	-101	-0.19	IN
J3XVVS	X	6,283	4,329	7.16	6,587	4,454	8.38	MT
Q1B8NY		1,673	-282	-0.47	1,804	-330	-0.62	XX
SB2R44		2,718	763	1.26	2,012	-122	-0.23	XX
UZD25L		1,651	-303	-0.50	2,077	-57	-0.11	IN
VMR8AY		1,493	-462	-0.76	1,995	-139	-0.26	IM
WP6Z1Z		1,724	-231	-0.38	1,968	-166	-0.31	IN
XR9QG8	M	No data reported for this sample			2,142	9	0.02	IN
ZJR5JG		1,884	-70	-0.12	2,025	-109	-0.20	IN

Summary Statistics

	Sample B77	Sample B78
Grand Means	1,954.3 psi	2,133.6 psi
Stnd Dev Btwn Labs	604.6 psi	531.2 psi

Statistics based on 15 of 22 reporting participants

Sample B77: LDPE & Sample B78: LDPE

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Comments on assigned Data Flags for Test #770

7ZEUQW (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

8GKLWB (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

9B8ZJZ (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

AVZZYH (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

HS7NRV (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

J3XVVS (X) - Data for both samples are high.

XR9QG8 (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(TY) - Toyoseiki

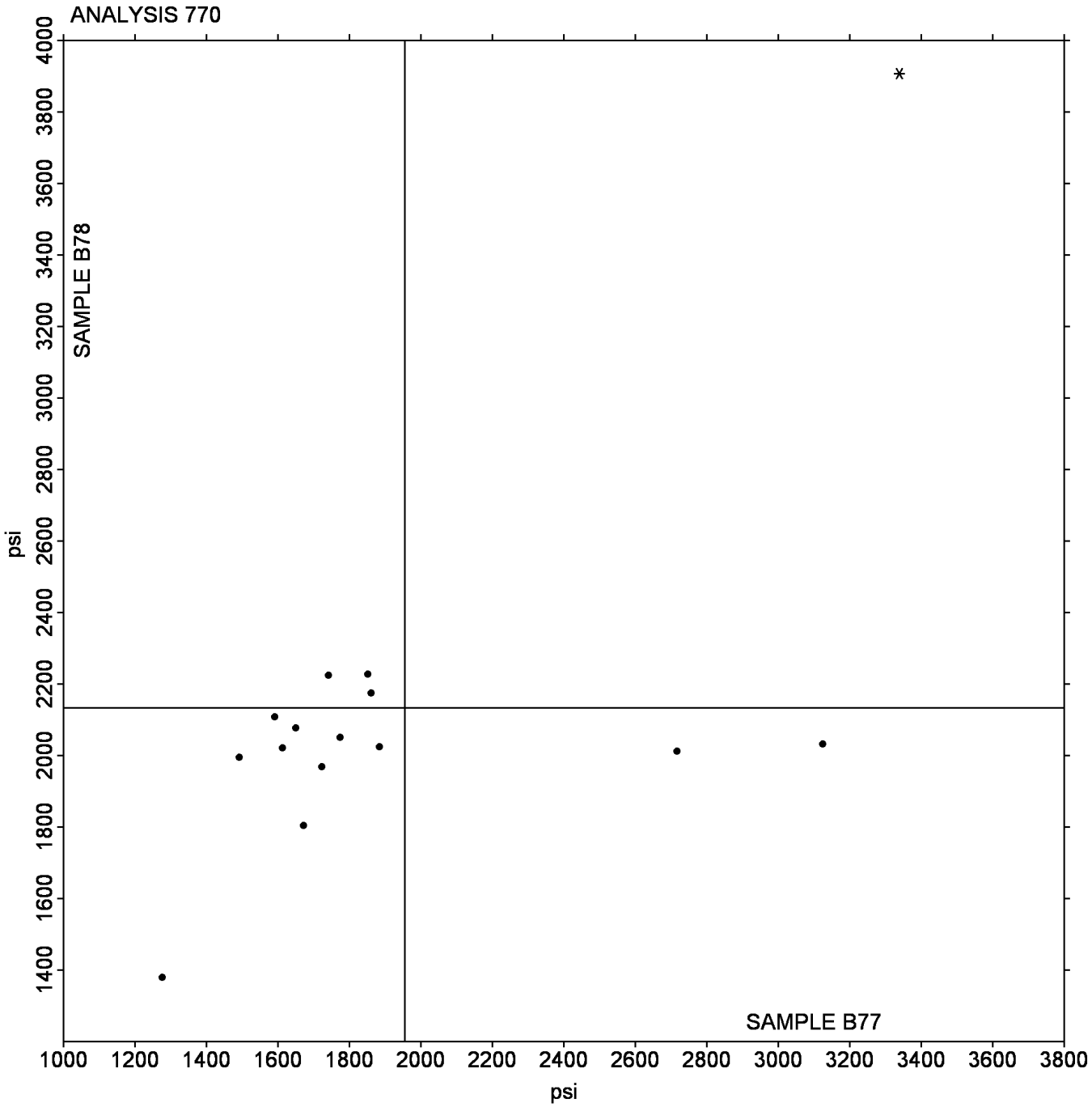
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Grand Mean Sample B77: 1,954.34 psi Grand Mean Sample B78: 2,133.58 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

WebCode	Data Flag	Sample B77 Lab Mean	Sample B77 Diff from Grand Mean	Sample B77 CPV	Sample B78 Lab Mean	Sample B78 Diff from Grand Mean	Sample B78 CPV	Instr Code
1TT7CV		2,677	-353	-1.09	2,910	-654	-2.19	IN
3AN4WY		2,718	-312	-0.96	3,156	-408	-1.36	XX
5UKG29		2,924	-106	-0.33	3,231	-332	-1.11	IN
6C93BY		3,270	241	0.74	3,803	239	0.80	HO
6KF3YT		3,219	189	0.58	3,822	258	0.86	TY
7DCSN2		3,327	297	0.92	3,902	338	1.13	TH
98RS5Y		3,098	68	0.21	3,577	13	0.04	XX
9D9BSL		2,397	-632	-1.95	3,433	-131	-0.44	IM
9RANS7		3,036	6	0.02	3,359	-205	-0.68	IN
A4KS7L		2,737	-293	-0.90	3,375	-189	-0.63	IM
CL7U77		3,425	395	1.22	3,984	421	1.41	IN
FW7CVX		2,882	-148	-0.46	3,347	-217	-0.73	IN
H5A1ZH		3,252	222	0.68	3,948	384	1.29	IN
HPHE6A		2,396	-634	-1.95	3,279	-284	-0.95	IR
MAKSAQ	X	13,057	10,027	30.88	14,703	11,139	37.27	MT
N71622		2,382	-648	-2.00	3,307	-257	-0.86	XX
Q1UL53		3,107	77	0.24	3,591	27	0.09	IN
R5RUGV		2,962	-68	-0.21	3,441	-123	-0.41	IN
RL915M		3,227	198	0.61	3,667	103	0.35	IN
RQC4NF		3,295	265	0.82	4,064	500	1.67	IN
RV1KKN		3,320	291	0.89	3,553	-11	-0.04	IN
UTS9TL		3,229	199	0.61	3,595	31	0.10	IN
VDKDNJ		3,116	87	0.27	3,737	173	0.58	SH
Y641TQ		3,382	352	1.08	3,990	426	1.43	TH
ZDLCJJ		3,338	308	0.95	3,463	-100	-0.34	IN

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Summary Statistics

Grand Means		
	3,029.8 psi	3,563.8 psi
Stnd Dev Btwn Labs		
	324.7 psi	298.9 psi

Statistics based on 24 of 25 reporting participants

Sample B77: LDPE & Sample B78: LDPE

Comments on assigned Data Flags for Test #771

MAKSAQ (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(TY) - Toyoseiki

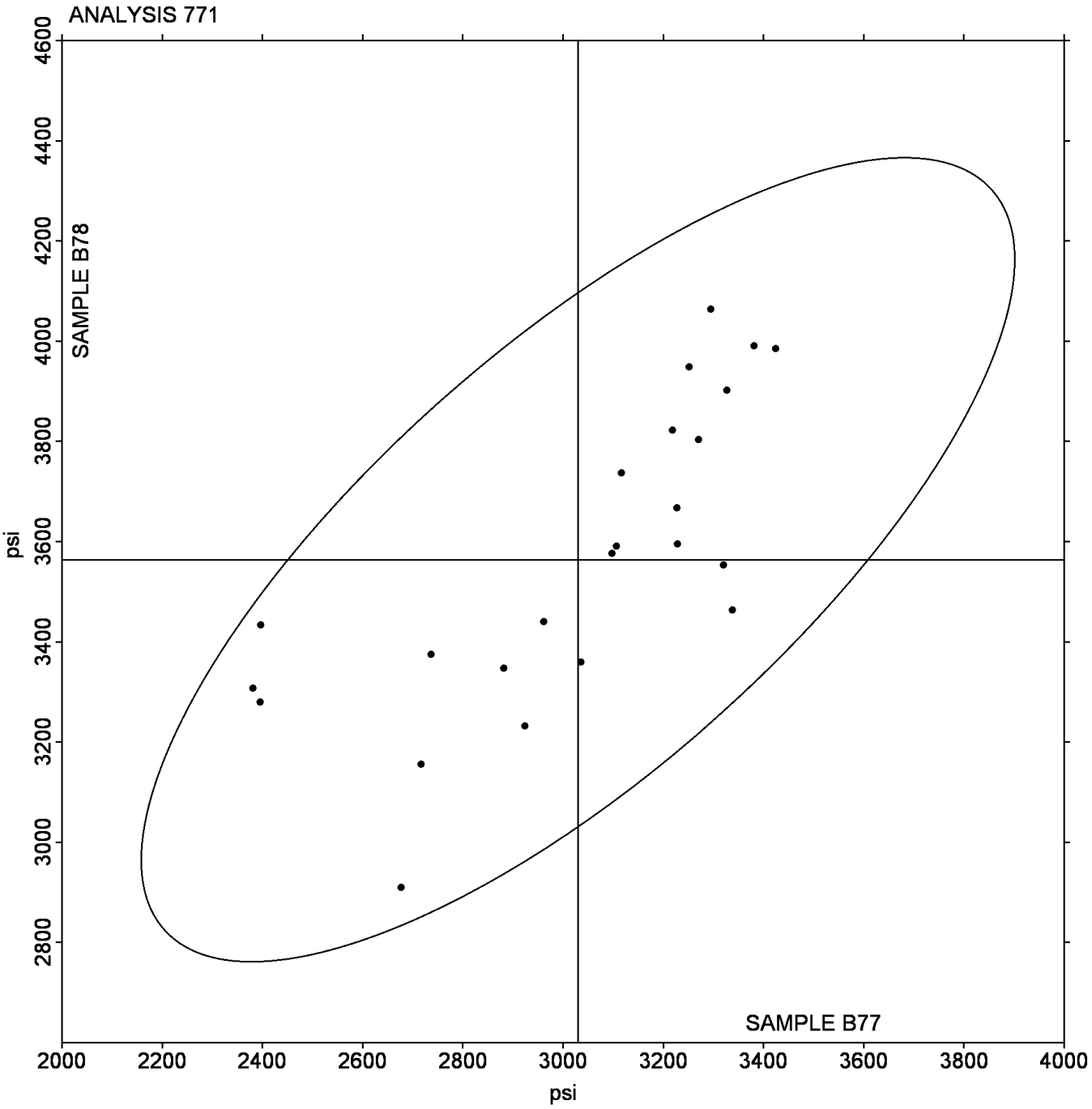
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Grand Mean Sample B77: 3,029.77 psi Grand Mean Sample B78: 3,563.78 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

WebCode	Data Flag	Sample Lab Mean	Sample Diff from Grand Mean	Sample CPV	Sample B78 Lab Mean	Sample B78 Diff from Grand Mean	Sample B78 CPV	Instr Code
25MC97	M	No data reported for this sample			82.02	20.63	0.81	IN
2NHTNC		7.72	-127.50	-0.57	6.99	-54.40	-2.13	IN
6GZ95M		30.08	-105.14	-0.47	74.16	12.77	0.50	IR
9592Z7		24.51	-110.71	-0.50	69.74	8.35	0.33	IN
BE4XX5	M	No data reported for this sample			66.76	5.37	0.21	IN
BGZ1YX		25.97	-109.25	-0.49	79.07	17.68	0.69	TH
EPL5D3		108.90	-26.32	-0.12	41.70	-19.69	-0.77	IN
FAMHZ5		78.27	-56.95	-0.25	68.30	6.92	0.27	XX
HL6NS8	M	No data reported for this sample			69.33	7.94	0.31	IN
JM9HGZ		12.68	-122.54	-0.55	11.24	-50.15	-1.96	MT
KNR7UG	M	No data reported for this sample			67.56	6.17	0.24	IN
LZWSRE		49.90	-85.32	-0.38	49.80	-11.59	-0.45	SH
NTA3A9		125.48	-9.74	-0.04	83.29	21.90	0.86	IN
P5VA85		764.20	628.98	2.81	87.10	25.71	1.01	IN
PMRFAD		522.49	387.27	1.73	77.01	15.62	0.61	XX
PSKV66		96.66	-38.56	-0.17	75.73	14.34	0.56	IM
SU1CZN	M	No data reported for this sample			39.63	-21.76	-0.85	IN
T7JSJ7	M	No data reported for this sample			99.66	38.27	1.50	IN
WBWZ3H		26.60	-108.62	-0.49	78.50	17.11	0.67	XX
X51N6Y		19.63	-115.59	-0.52	56.81	-4.58	-0.18	IM

Summary Statistics

	Sample	Sample B78
Grand Means	135.221 Percent	61.388 Percent
Stnd Dev Btwn Labs	223.619 Percent	25.561 Percent

Statistics based on 14 of 20 reporting participants

Sample B77: LDPE & Sample B78: LDPE

Plastics Interlaboratory Testing Program
Analysis 772
Percent Elongation at Yield, Films

Comments on assigned Data Flags for Test #772

25MC97 (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

BE4XX5 (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

HL6NS8 (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

KNR7UG (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

SU1CZN (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

T7JSJ7 (M) - No data received for Sample B77. Samples for B77 did not exhibit a yield point for some labs participating in this test and is not the fault of the participant.

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

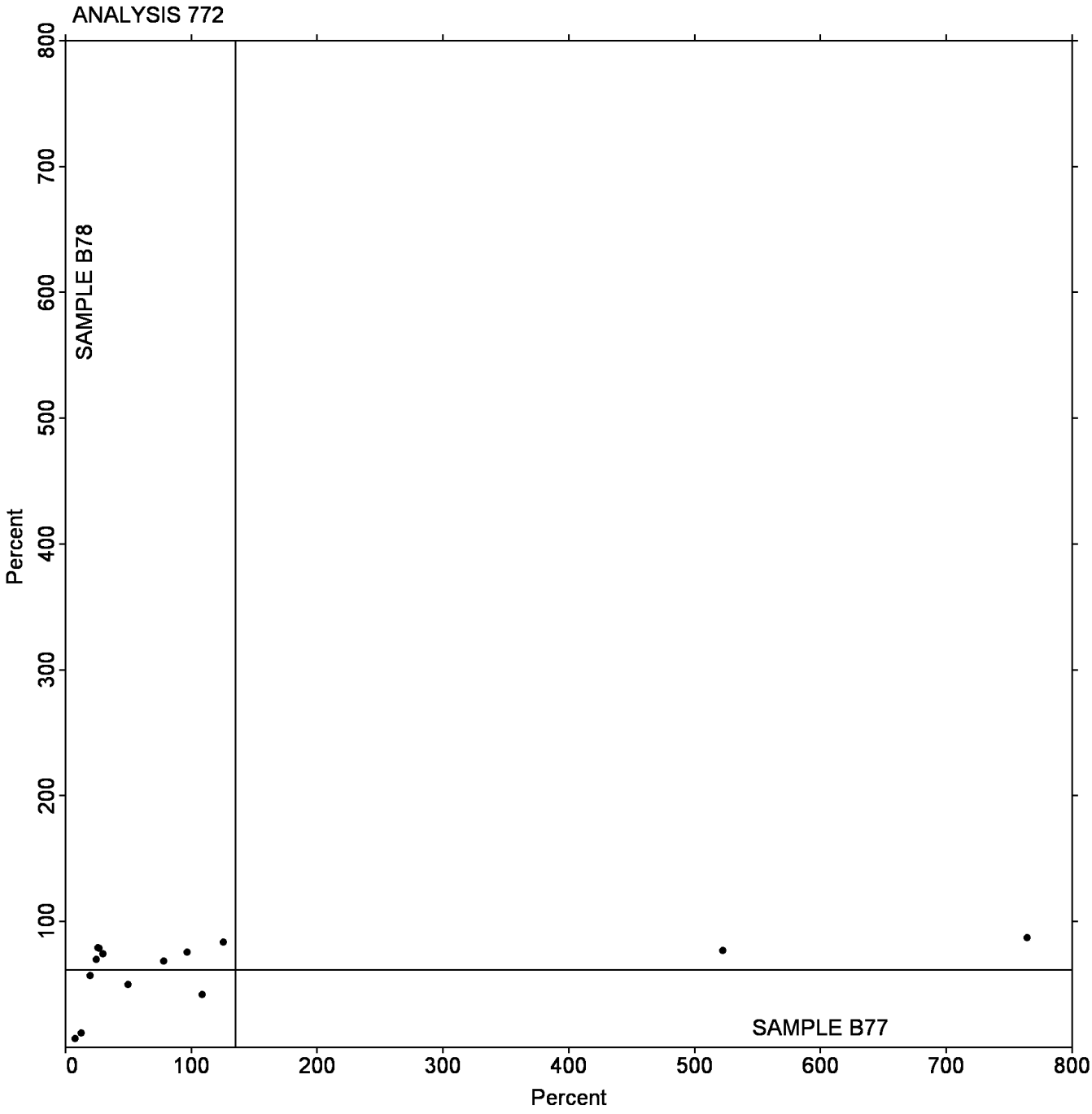
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

Grand Mean Sample B77: 135.22 Percent Grand Mean Sample B78: 61.388 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

WebCode	Data Flag	Sample B77 Lab Mean	Sample B77 Diff from Grand Mean	Sample B77 CPV	Sample B78 Lab Mean	Sample B78 Diff from Grand Mean	Sample B78 CPV	Instr Code
138PRR		531.1	-47.9	-0.38	571.3	-145.0	-1.09	HO
4RCKHV	*	405.0	-174.0	-1.37	783.6	67.3	0.51	IR
6PMS2X		524.9	-54.1	-0.43	638.2	-78.1	-0.59	XX
7AWW79		564.2	-14.8	-0.12	691.1	-25.2	-0.19	IM
7ELHT9		520.6	-58.4	-0.46	656.8	-59.5	-0.45	IN
7Y5PC8		499.0	-80.0	-0.63	594.0	-122.3	-0.92	IN
8EQUZS		865.5	286.5	2.26	1,070.8	354.5	2.66	IN
92Z36B		512.2	-66.8	-0.53	591.6	-124.7	-0.94	MT
A4ST6S		498.1	-80.9	-0.64	673.2	-43.1	-0.32	IN
ADABNE		767.1	188.1	1.48	822.8	106.5	0.80	IN
ARLTPF		560.3	-18.7	-0.15	694.4	-21.9	-0.16	IN
BB5JC1		571.7	-7.3	-0.06	686.7	-29.6	-0.22	IN
EW8RSF		742.2	163.2	1.29	935.3	219.0	1.64	TH
HVPU5X		561.6	-17.4	-0.14	668.7	-47.6	-0.36	IN
KJMBK8		444.5	-134.4	-1.06	676.2	-40.1	-0.30	XX
KZFHWV		368.2	-210.8	-1.66	433.2	-283.1	-2.12	IN
MPRQNP		777.7	198.7	1.57	824.1	107.8	0.81	IN
QDVJS7		582.4	3.4	0.03	683.1	-33.2	-0.25	IN
RY79CA		740.4	161.4	1.27	876.6	160.3	1.20	SH
SRJ5ML		559.5	-19.5	-0.15	673.5	-42.8	-0.32	XX
THQHLU		642.8	63.8	0.50	787.8	71.6	0.54	IN
VYELLH		686.2	107.2	0.84	846.7	130.4	0.98	XX
WCHZAZ		546.3	-32.7	-0.26	666.4	-49.9	-0.37	TH
WF4G46		424.2	-154.8	-1.22	644.6	-71.7	-0.54	IM

Summary Statistics

	Sample B77	Sample B78
Grand Means	578.99 Percent	716.28 Percent
Stnd Dev Btwn Labs	126.90 Percent	133.28 Percent

Statistics based on 24 of 24 reporting participants

Sample B77: LDPE & Sample B78: LDPE

Plastics Interlaboratory Testing Program
Analysis 773
Percent Elongation at Break, Film Samples

Instrument Code List as Reported by the Labs

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(IR) - Instron with retrofit

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

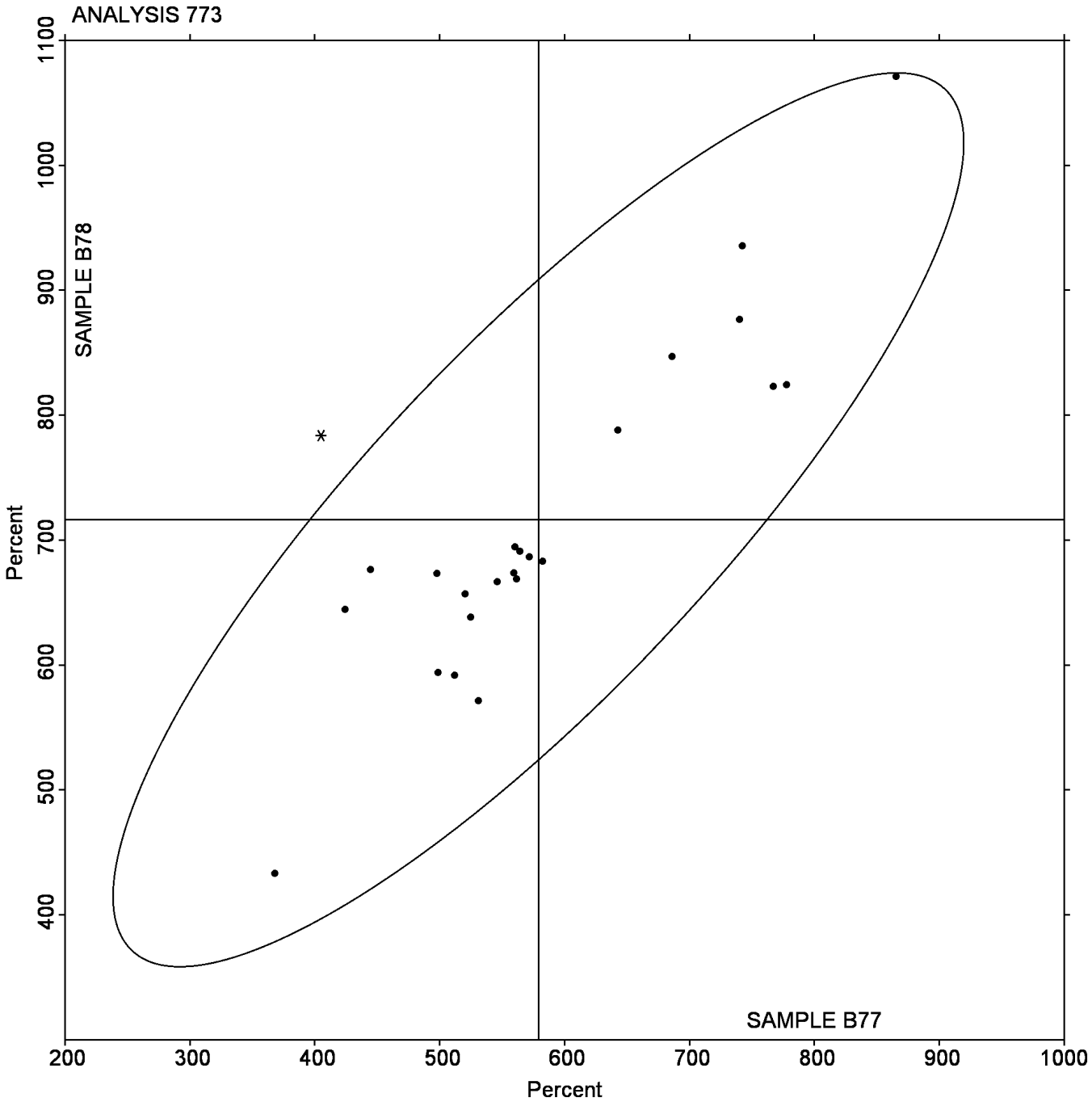
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

Grand Mean Sample B77: 578.99 Percent Grand Mean Sample B78: 716.28 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

WebCode	Data Flag	Sample B77 Lab Mean	Sample B77 Diff from Grand Mean	Sample B77 CPV	Sample B78 Lab Mean	Sample B78 Diff from Grand Mean	Sample B78 CPV	Instr Code
4DRYHR		2.7600	-0.0344	-0.39	2.7100	-0.0716	-0.79	XX
4LAAP7		2.8900	0.0956	1.09	2.7900	0.0084	0.09	XX
5MBQFZ		2.8900	0.0956	1.09	2.7720	-0.0096	-0.11	XX
6PPZCW		2.7370	-0.0574	-0.66	2.7460	-0.0356	-0.39	XX
71MVNP		2.7900	-0.0044	-0.05	2.7700	-0.0116	-0.13	XX
7JQJ3U		2.7560	-0.0385	-0.44	2.8150	0.0334	0.37	XX
9JYDTA		2.7160	-0.0784	-0.90	2.7000	-0.0816	-0.90	XX
A3HSKT		2.7600	-0.0344	-0.39	2.7900	0.0084	0.09	XX
AGXEMJ		2.8111	0.0167	0.19	2.8662	0.0846	0.93	XX
C4PD5J		2.7402	-0.0543	-0.62	2.7598	-0.0217	-0.24	XX
DYW3RL		2.8300	0.0356	0.41	2.6800	-0.1016	-1.12	XX
FZQJ8Z		2.7700	-0.0244	-0.28	2.8150	0.0334	0.37	XX
H5L7UX		2.8630	0.0686	0.78	2.8650	0.0834	0.92	XX
HD5PQZ		2.6970	-0.0974	-1.11	2.7400	-0.0416	-0.46	XX
HF514J		2.8450	0.0506	0.58	2.8200	0.0384	0.42	XX
JFLCPA	*	3.0300	0.2356	2.69	3.0000	0.2184	2.41	XX
JW1TAU		2.8400	0.0456	0.52	2.8100	0.0284	0.31	XX
KTUK76		2.7020	-0.0924	-1.06	2.7660	-0.0156	-0.17	XX
KWXAHU		2.8386	0.0442	0.50	2.7283	-0.0532	-0.59	XX
LB7S18		2.7559	-0.0385	-0.44	2.7559	-0.0257	-0.28	XX
NYH1SQ		2.7245	-0.0700	-0.80	2.7363	-0.0453	-0.50	XX
P8JP6D		2.8976	0.1032	1.18	2.8110	0.0294	0.32	XX
QRQP56	*	2.7550	-0.0394	-0.45	2.9300	0.1484	1.64	XX
UMUE42		2.6500	-0.1444	-1.65	2.6400	-0.1416	-1.56	XX
UWZB7X		2.7048	-0.0896	-1.02	2.6575	-0.1240	-1.37	XX
V2P9EL		2.9800	0.1856	2.12	3.0000	0.2184	2.41	XX
VTATLL		2.7700	-0.0244	-0.28	2.7600	-0.0216	-0.24	XX
WK3WBT		2.7400	-0.0544	-0.62	2.6500	-0.1316	-1.45	XX

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

Summary Statistics

Grand Means		
	2.79441 mils	2.78158 mils
Stnd Dev Btwn Labs		
	0.08755 mils	0.09065 mils

Statistics based on 28 of 28 reporting participants

Sample B77: LDPE & Sample B78: LDPE

Instrument Code List as Reported by the Labs

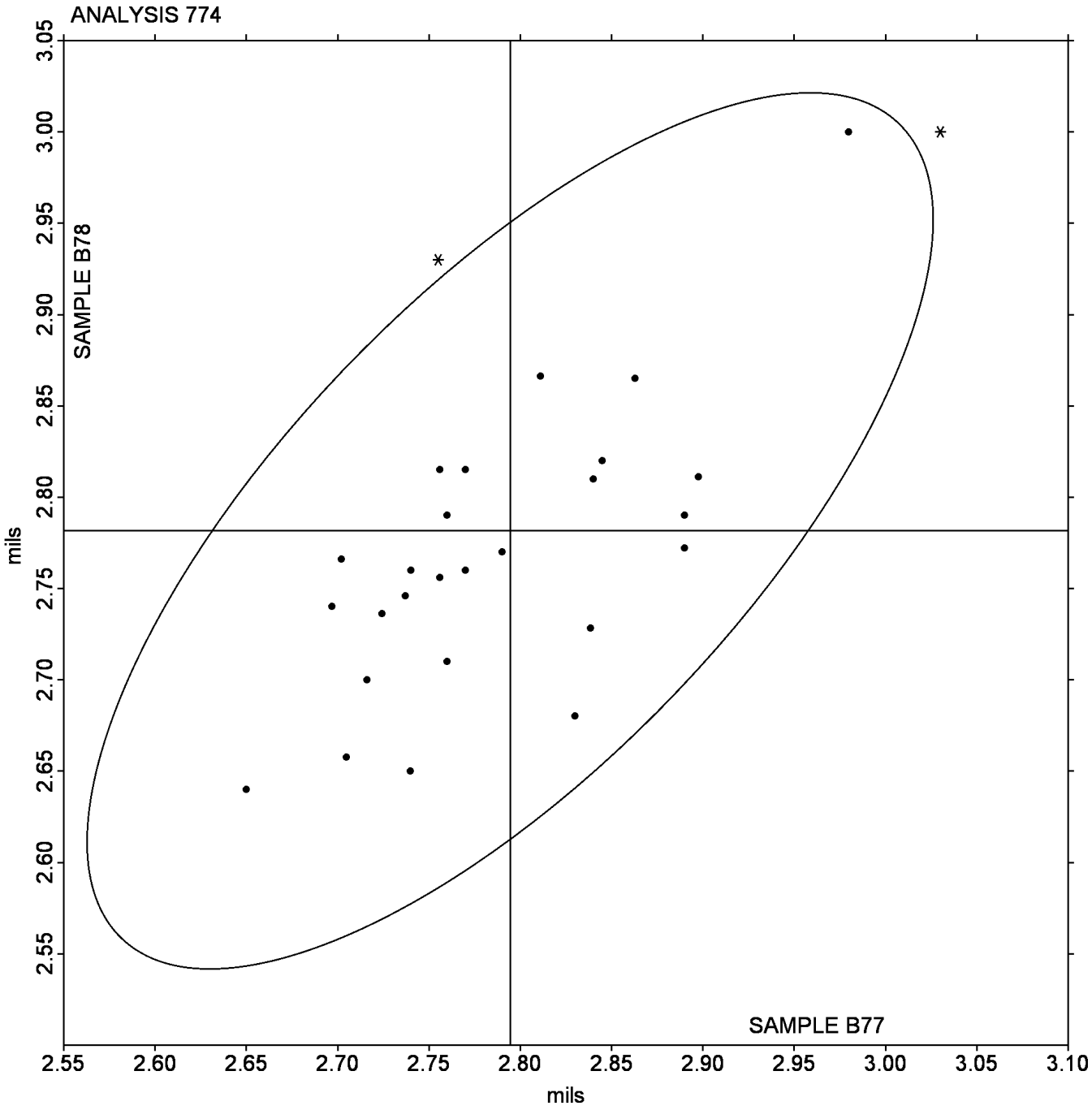
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

Grand Mean Sample B77: 2.7944 mils Grand Mean Sample B78: 2.7816 mils



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

WebCode	Data Flag	Sample B77 Lab Mean	Sample B77 Diff from Grand Mean	Sample B77 CPV	Sample B78 Lab Mean	Sample B78 Diff from Grand Mean	Sample B78 CPV	Instr Code
11ZMNR		24,806	-386	-0.18	32,094	-1,533	-0.62	IN
4UHENY		28,375	3,183	1.45	37,850	4,223	1.70	IM
DFMGCB		26,806	1,614	0.74	34,281	654	0.26	IN
E64ZVP		26,943	1,750	0.80	36,069	2,442	0.98	IN
H4VN7E		24,948	-244	-0.11	34,911	1,284	0.52	TH
LD849W		26,353	1,161	0.53	34,500	874	0.35	MT
MLWUA9		27,868	2,676	1.22	36,397	2,770	1.11	TH
SRFZ58		22,785	-2,407	-1.10	31,691	-1,935	-0.78	XX
SUY83H		25,204	11	0.01	33,554	-73	-0.03	IN
UC32X8		25,150	-42	-0.02	33,275	-352	-0.14	IN
UQBZ65		20,922	-4,271	-1.95	27,595	-6,032	-2.43	IN
W84TUX		26,727	1,535	0.70	33,986	359	0.14	XX
WRHAYB		23,193	-2,000	-0.91	31,550	-2,077	-0.84	IN
X8JJCJ		21,790	-3,402	-1.55	31,580	-2,047	-0.82	IN
Y9HLGE		27,214	2,022	0.92	36,092	2,465	0.99	IN
YKBR7J		23,994	-1,198	-0.55	32,603	-1,024	-0.41	IM

Summary Statistics

	Sample B77	Sample B78
Grand Means	25,192.4 psi	33,626.7 psi
Stnd Dev Btwn Labs	2,191.0 psi	2,485.7 psi

Statistics based on 16 of 16 reporting participants

Sample B77: LDPE & Sample B78: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(MT) - MTS/Sintech

(TH) - Thwing Albert

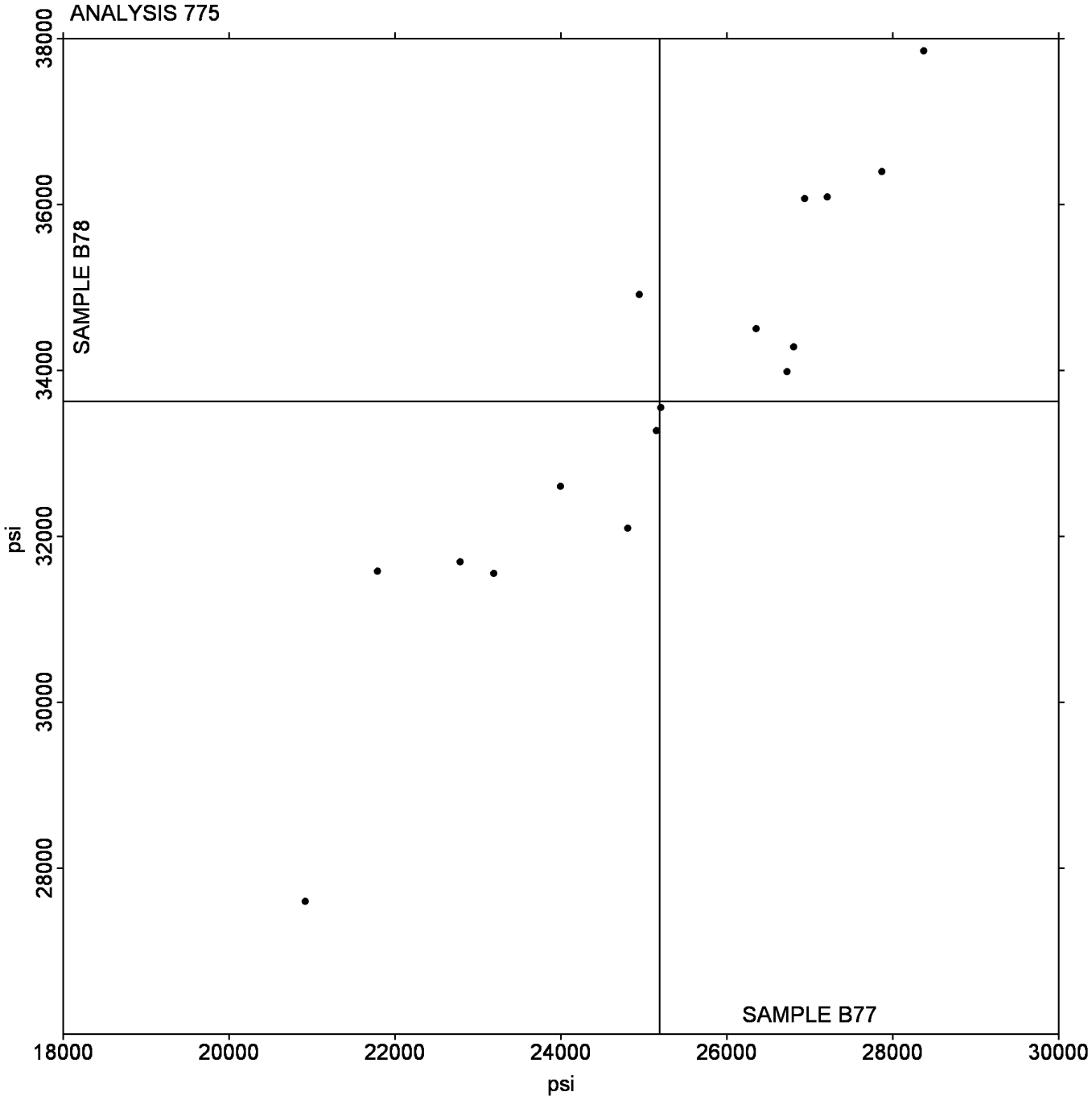
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

Grand Mean Sample B77: 25,192.38 psi Grand Mean Sample B78: 33,626.71 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

WebCode	Data Flag	Sample B77 Lab Mean	Sample B77 Diff from Grand Mean	Sample B77 CPV	Sample B78 Lab Mean	Sample B78 Diff from Grand Mean	Sample B78 CPV	Instr Code
2PUSK7		21,654	409	0.19	28,749	928	0.31	IN
95GK67		20,340	-905	-0.42	28,030	209	0.07	IN
9WBWSU		23,904	2,659	1.24	31,577	3,756	1.25	IM
DJCZW5		23,371	2,126	0.99	30,594	2,773	0.93	IN
EZRURX		21,865	620	0.29	28,729	908	0.30	IN
FAJR2B		20,832	-413	-0.19	28,842	1,021	0.34	TH
FW4LUJ		17,457	-3,788	-1.77	23,037	-4,785	-1.60	IN
G5HC55		22,333	1,088	0.51	29,124	1,303	0.43	IN
HQWZYL		16,263	-4,982	-2.33	19,943	-7,879	-2.63	MT
KT4P9J		21,610	365	0.17	28,363	541	0.18	IN
NN7ZL3		22,864	1,619	0.76	29,177	1,356	0.45	IN
P636NB		20,148	-1,097	-0.51	27,184	-638	-0.21	XX
QXH722		23,673	2,428	1.13	30,543	2,722	0.91	TH
VAG6YU		21,843	598	0.28	25,667	-2,154	-0.72	XX
WPBFAL		20,519	-726	-0.34	27,761	-60	-0.02	IM

Summary Statistics

	Sample B77	Sample B78
Grand Means	21,245.0 psi	27,821.3 psi
Stnd Dev Btwn Labs	2,141.7 psi	2,997.9 psi

Statistics based on 15 of 15 reporting participants

Sample B77: LDPE & Sample B78: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(MT) - MTS/Sintech

(TH) - Thwing Albert

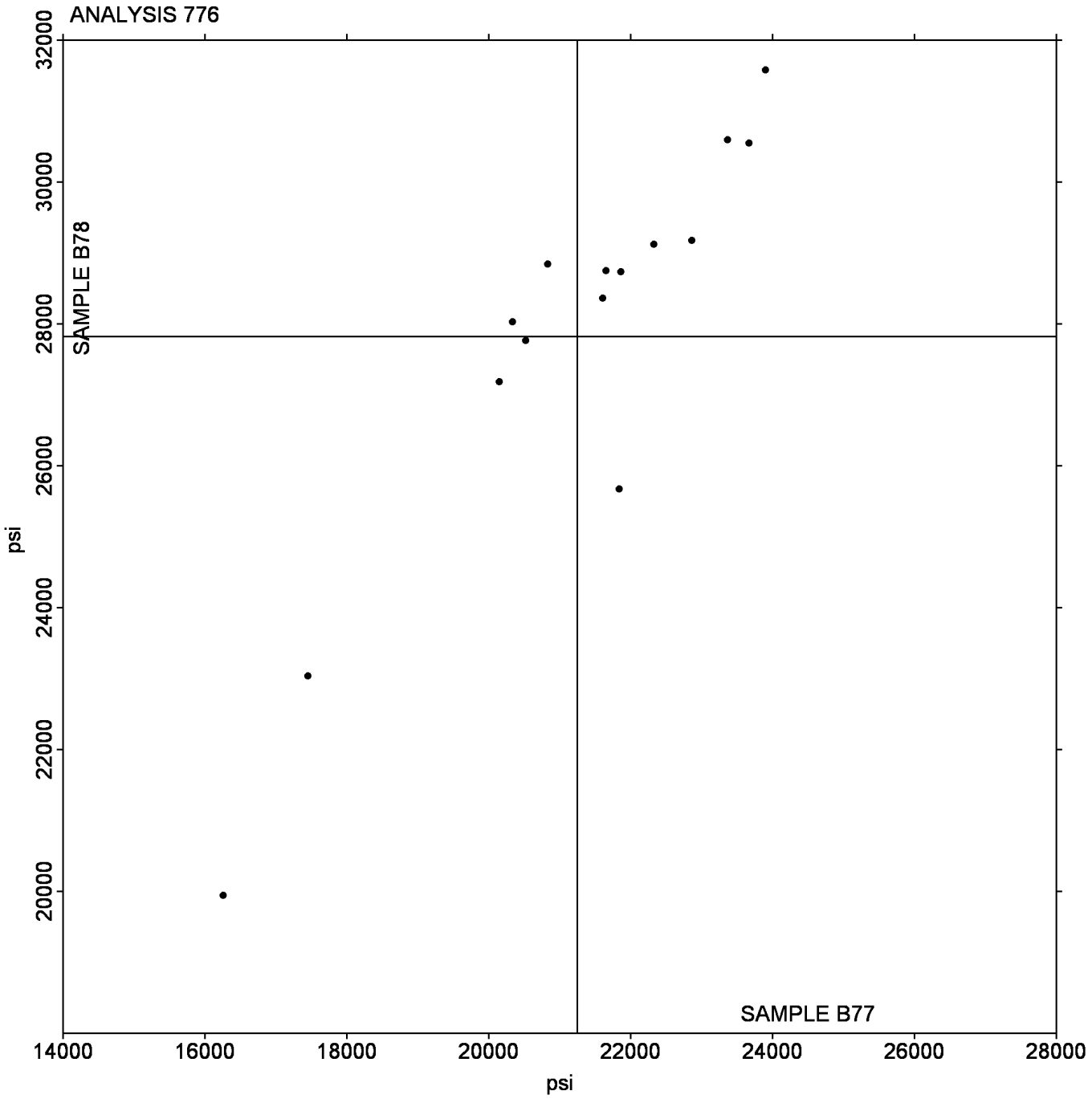
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

Grand Mean Sample B77: 21,244.99 psi Grand Mean Sample B78: 27,821.27 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

WebCode	Data Flag	Sample P77 Lab Mean	Sample P77 Diff from Grand Mean	Sample P77 CPV	Sample P78 Lab Mean	Sample P78 Diff from Grand Mean	Sample P78 CPV	Instr Code
62ZEM1		0.2020	-0.0019	-0.05	0.3020	0.0536	1.48	KA
6AGQC6		0.1754	-0.0285	-0.74	0.2476	-0.0008	-0.02	TN
84MKPW		0.1966	-0.0073	-0.19	0.2034	-0.0450	-1.25	MI
86UUJE		0.2280	0.0241	0.62	0.2298	-0.0186	-0.52	IG
CBHYCX		0.2040	0.0001	0.00	0.2964	0.0480	1.33	TH
DEW1QG		0.1426	-0.0613	-1.58	0.2246	-0.0238	-0.66	TH
ERUL3E		0.2208	0.0169	0.44	0.2640	0.0156	0.43	TH
HYRFQV		0.1612	-0.0427	-1.10	0.2074	-0.0410	-1.14	TH
KSTMNK		0.1852	-0.0187	-0.48	0.2452	-0.0032	-0.09	IG
LDFB73		0.2126	0.0087	0.23	0.2882	0.0398	1.10	IS
SAUVZJ		0.1780	-0.0259	-0.67	0.2560	0.0076	0.21	MI
SZBVAW		0.2840	0.0801	2.07	0.2620	0.0136	0.38	XX
XSN6V2		0.1660	-0.0379	-0.98	0.1880	-0.0604	-1.67	TL
ZY67D9		0.2636	0.0597	1.54	0.2920	0.0436	1.21	TN
ZYDJKZ		0.2380	0.0341	0.88	0.2200	-0.0284	-0.79	SA

Summary Statistics

	Sample P77	Sample P78
Grand Means	0.20387 COF	0.24844 COF
Stnd Dev Btwn Labs	0.03872 COF	0.03609 COF

Statistics based on 15 of 15 reporting participants

Sample P77: LDPE & Sample P78: LDPE

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron Model 5565

(KA) - Kayeness Inc.

(MI) - MTS Insight

(SA) - Shimadzu Autograph AG 2000 A

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

(TN) - TMI #32-06

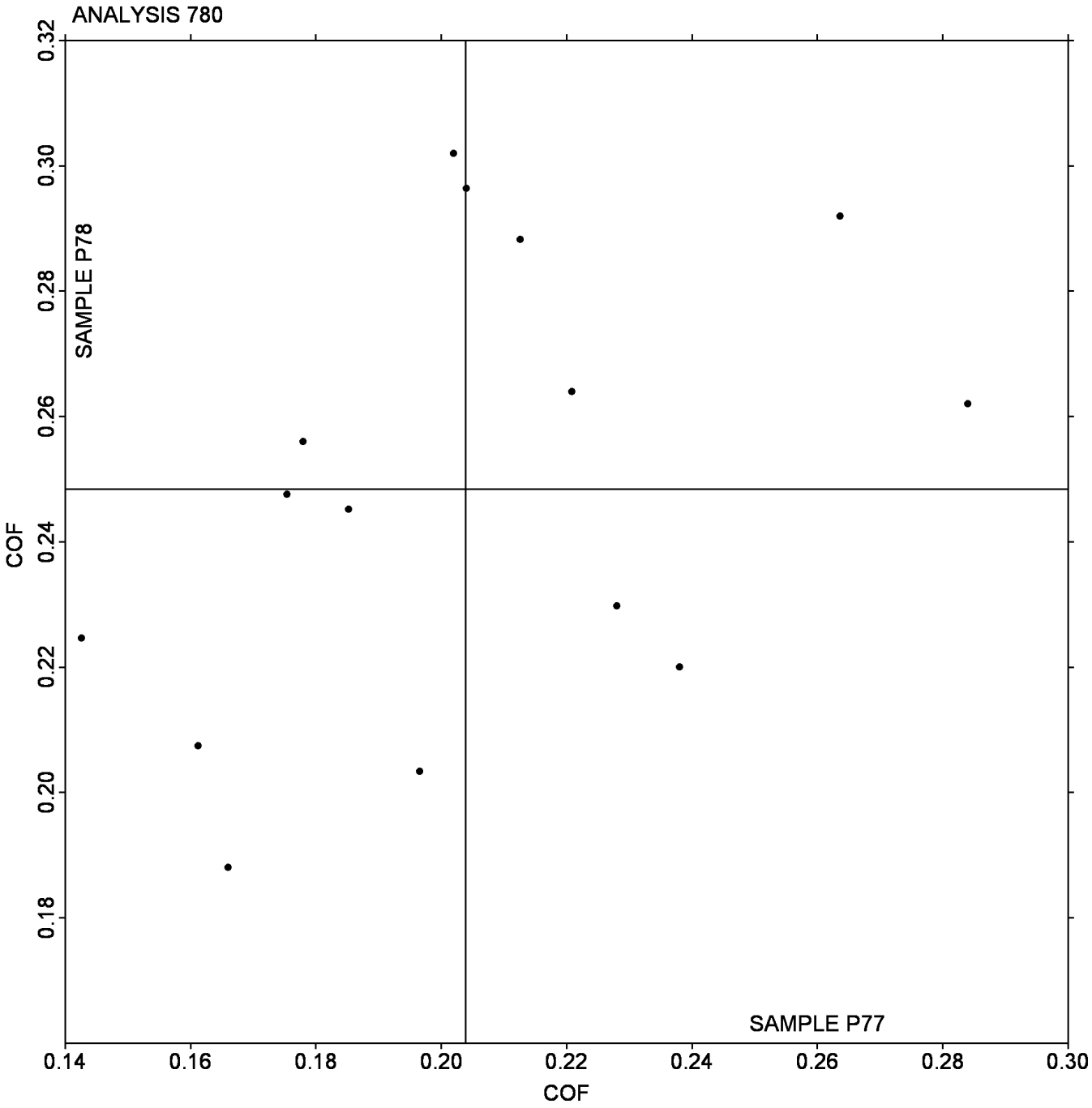
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

Grand Mean Sample P77: 0.20387 COF Grand Mean Sample P78: 0.24844 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 781

Coefficient of Kinetic Friction

WebCode	Data Flag	Sample P77 Lab Mean	Sample P77 Diff from Grand Mean	Sample P77 CPV	Sample P78 Lab Mean	Sample P78 Diff from Grand Mean	Sample P78 CPV	Instr Code
4W9W4L		0.2100	0.0724	2.28	0.2440	0.0623	1.85	XX
6VXWCT		0.1228	-0.0148	-0.47	0.1846	0.0029	0.09	IG
718P4T		0.1340	-0.0036	-0.11	0.1720	-0.0097	-0.29	TL
7K8XVG		0.1650	0.0274	0.87	0.2206	0.0389	1.16	IS
7Y2G7M		0.1272	-0.0104	-0.33	0.1708	-0.0109	-0.32	TH
FJ18LW		0.1254	-0.0122	-0.38	0.1956	0.0139	0.41	TN
GXLFKN		0.1740	0.0364	1.15	0.1540	-0.0277	-0.82	SA
H87PCH		0.1226	-0.0150	-0.47	0.1638	-0.0179	-0.53	MI
HFWUAG		0.0994	-0.0382	-1.20	0.1384	-0.0433	-1.29	TH
HKQ4G6		0.1304	-0.0072	-0.23	0.1646	-0.0171	-0.51	IG
M5MJFQ		0.1380	0.0004	0.01	0.1800	-0.0017	-0.05	MI
NERRVN		0.1072	-0.0304	-0.96	0.1416	-0.0401	-1.19	TH
VLXVVD		0.1816	0.0440	1.39	0.2202	0.0385	1.15	TN
VQDRTJ		0.0978	-0.0398	-1.25	0.1448	-0.0369	-1.10	TH
Z23TT7		0.1280	-0.0096	-0.30	0.2300	0.0483	1.44	KA

Summary Statistics

Grand Means

0.13756 COF — 0.18167 COF

Stnd Dev Btwn Labs

0.03171 COF — 0.03365 COF

Statistics based on 15 of 15 reporting participants

Sample P77: LDPE & Sample P78: LDPE

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron Model 5565

(KA) - Kayeness Inc.

(MI) - MTS Insight

(SA) - Shimadzu Autograph AG 2000 A

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

(TN) - TMI #32-06

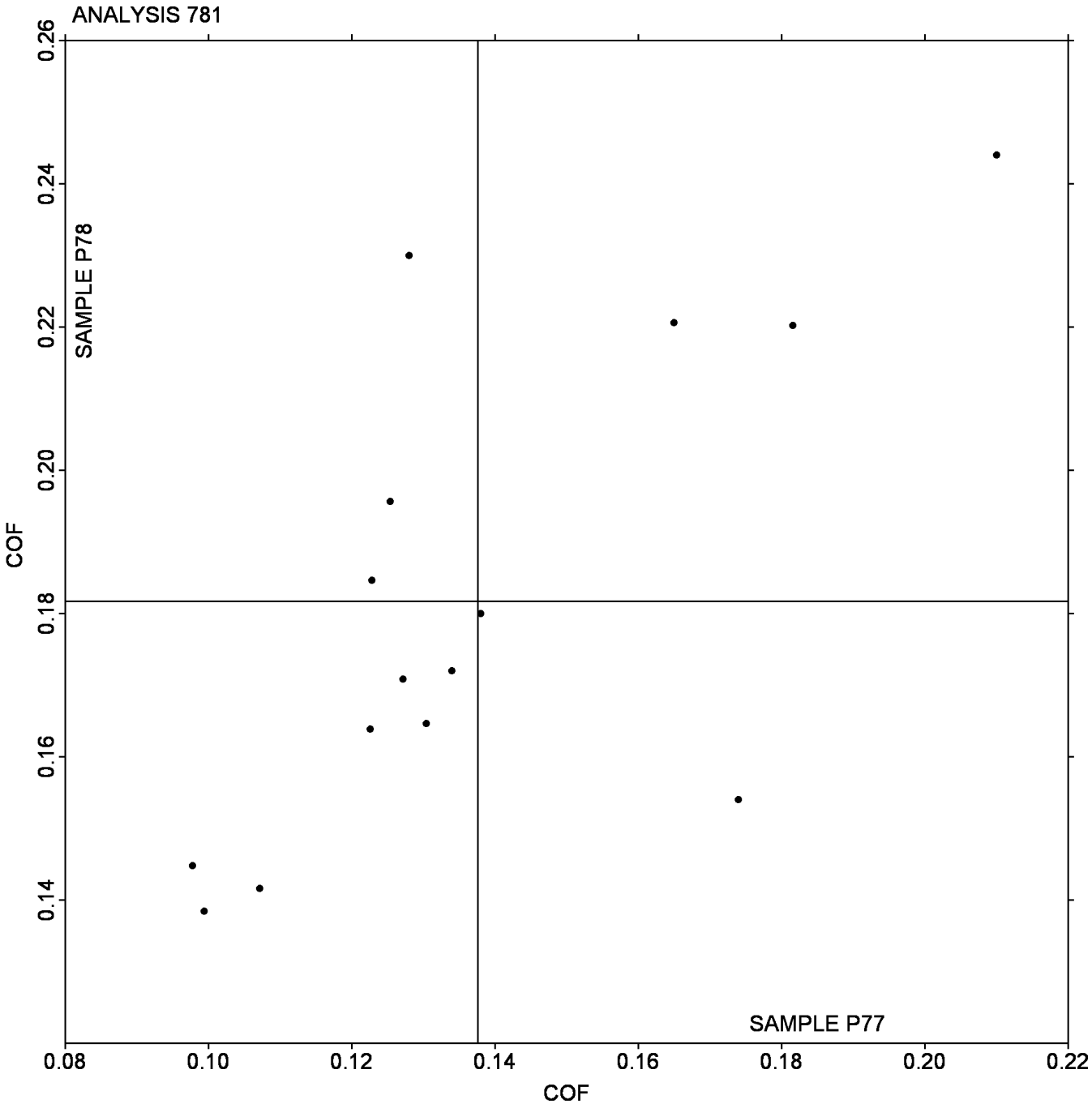
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 781

Coefficient of Kinetic Friction

Grand Mean Sample P77: 0.13756 COF Grand Mean Sample P78: 0.18167 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

WebCode	Data Flag	Sample Q77 Lab Mean	Sample Q77 Diff from Grand Mean	Sample Q77 CPV	Sample Q78 Lab Mean	Sample Q78 Diff from Grand Mean	Sample Q78 CPV	Instr Code
3LXTB8		197.6	-54.3	-1.30	170.2	-27.7	-0.57	TE
4GTVCU		213.7	-38.1	-0.91	172.9	-25.1	-0.51	XX
A48FVF		321.7	69.8	1.67	292.0	94.1	1.93	AL
DGWZ7W		326.5	74.6	1.78	266.7	68.8	1.41	XX
GW179T		223.9	-28.0	-0.67	124.0	-73.9	-1.51	TM
L17SEB		226.0	-25.9	-0.62	162.2	-35.7	-0.73	CE
L18NWK		276.1	24.3	0.58	201.9	4.0	0.08	LO
LGULSG		246.6	-5.3	-0.13	187.6	-10.3	-0.21	TE
M13MET		227.8	-24.1	-0.58	219.0	21.1	0.43	TE
MNCBT2	X	26.1	-225.8	-5.39	21.1	-176.8	-3.62	TN
QFSHWZ		255.7	3.8	0.09	217.5	19.6	0.40	TE
VY1841		254.9	3.0	0.07	163.3	-34.6	-0.71	TM

Summary Statistics

	Sample Q77	Sample Q78
Grand Means	251.87 grams-force	197.94 grams-force
Stnd Dev Btwn Labs	41.85 grams-force	48.85 grams-force

Statistics based on 11 of 12 reporting participants

Sample Q77: LDPE & Sample Q78: LDPE

Comments on assigned Data Flags for Test #782

MNCBT2 (X) - Data for both samples are low. Data may be off by a factor of 10.

Instrument Code List as Reported by the Labs

(AL) - Adamel Lhomargy ED20

(CE) - Ceast (model not specified)

(LO) - Lorentzen & Wettre Model II

(TE) - Thwing-Albert Pro Tear

(TM) - TMI No. 83-1100

(TN) - TMI Tear Tester 83-10

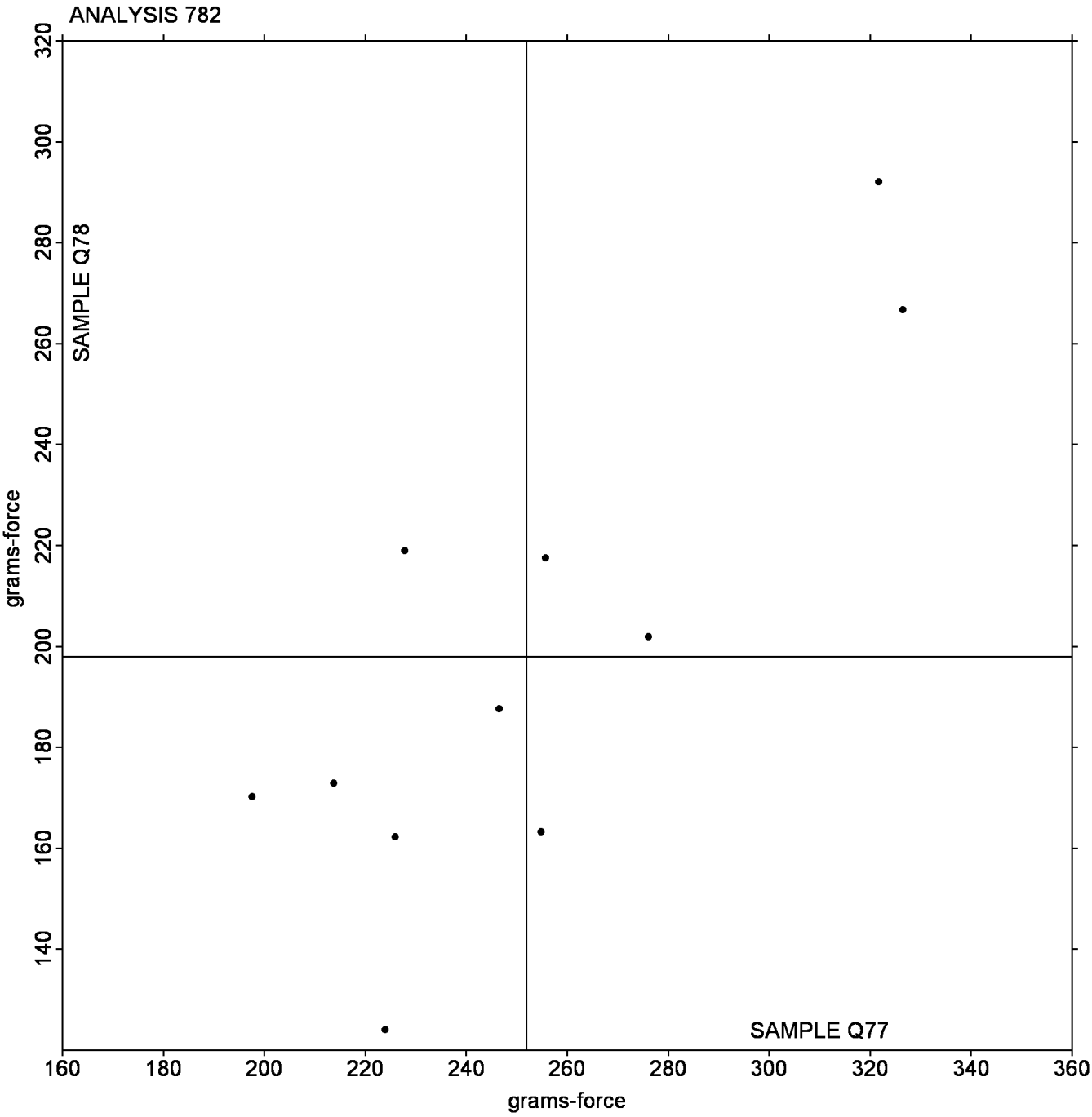
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

Grand Mean Sample Q77: 251.87 grams-force Grand Mean Sample Q78: 197.94 grams-force



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 785
Percent Haze of Film

WebCode	Data Flag	Sample D77 Lab Mean	Sample D77 Diff from Grand Mean	Sample D77 CPV	Sample D78 Lab Mean	Sample D78 Diff from Grand Mean	Sample D78 CPV	Instr Code
3CVTBS		8.438	-0.809	-1.17	8.595	-0.860	-1.32	XR
BHMRG4		8.659	-0.588	-0.85	9.643	0.188	0.29	BJ
D7QLEN		9.026	-0.220	-0.32	9.359	-0.096	-0.15	BJ
E24VZV		9.721	0.475	0.69	9.838	0.383	0.59	BT
EPQH7P		9.213	-0.034	-0.05	9.484	0.029	0.04	BJ
FYDKDQ		9.810	0.564	0.81	10.086	0.632	0.97	BJ
GBGAKK		10.568	1.321	1.91	10.118	0.663	1.02	XX
HLX3A5		9.539	0.292	0.42	9.783	0.328	0.50	BJ
HSKBYR		9.338	0.091	0.13	9.925	0.470	0.72	BJ
J9QAYA		7.588	-1.659	-2.40	7.750	-1.705	-2.62	BH
JQFJTN		9.363	0.116	0.17	9.504	0.049	0.08	BJ
L3A6US		8.114	-1.133	-1.64	8.109	-1.346	-2.07	HL
RYGXDG		8.370	-0.876	-1.27	8.730	-0.725	-1.11	HL
T8CNX4		9.713	0.466	0.67	9.825	0.370	0.57	BJ
VLNJZW		9.163	-0.084	-0.12	9.588	0.133	0.20	BJ
VQFYY5		9.600	0.354	0.51	10.063	0.608	0.93	DA
W8N5NJ		9.570	0.324	0.47	9.349	-0.106	-0.16	XX
WV3EDE		10.100	0.854	1.23	10.200	0.745	1.15	BJ
X2DNSE		9.241	-0.005	-0.01	9.455	0.000	0.00	BG
XK6AXZ		9.584	0.337	0.49	9.523	0.068	0.10	BJ
ZRT1UX		9.459	0.212	0.31	9.624	0.169	0.26	BJ

Summary Statistics

	Sample D77	Sample D78
Grand Means	9.2463 Percent	9.4546 Percent
Stnd Dev Btwn Labs	0.6924 Percent	0.6507 Percent

Statistics based on 21 of 21 reporting participants

Sample D77: LDPE & Sample D78: LDPE

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

Instrument Code List as Reported by the Labs

(BG) - BYK-Gardner/Pacific Scientific

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Series

(DA) - Datacolor SF 600 Series

(HL) - Hunterlab Ultrascan XE

(XR) - X-Rite Spectrocolorimeter (any model)

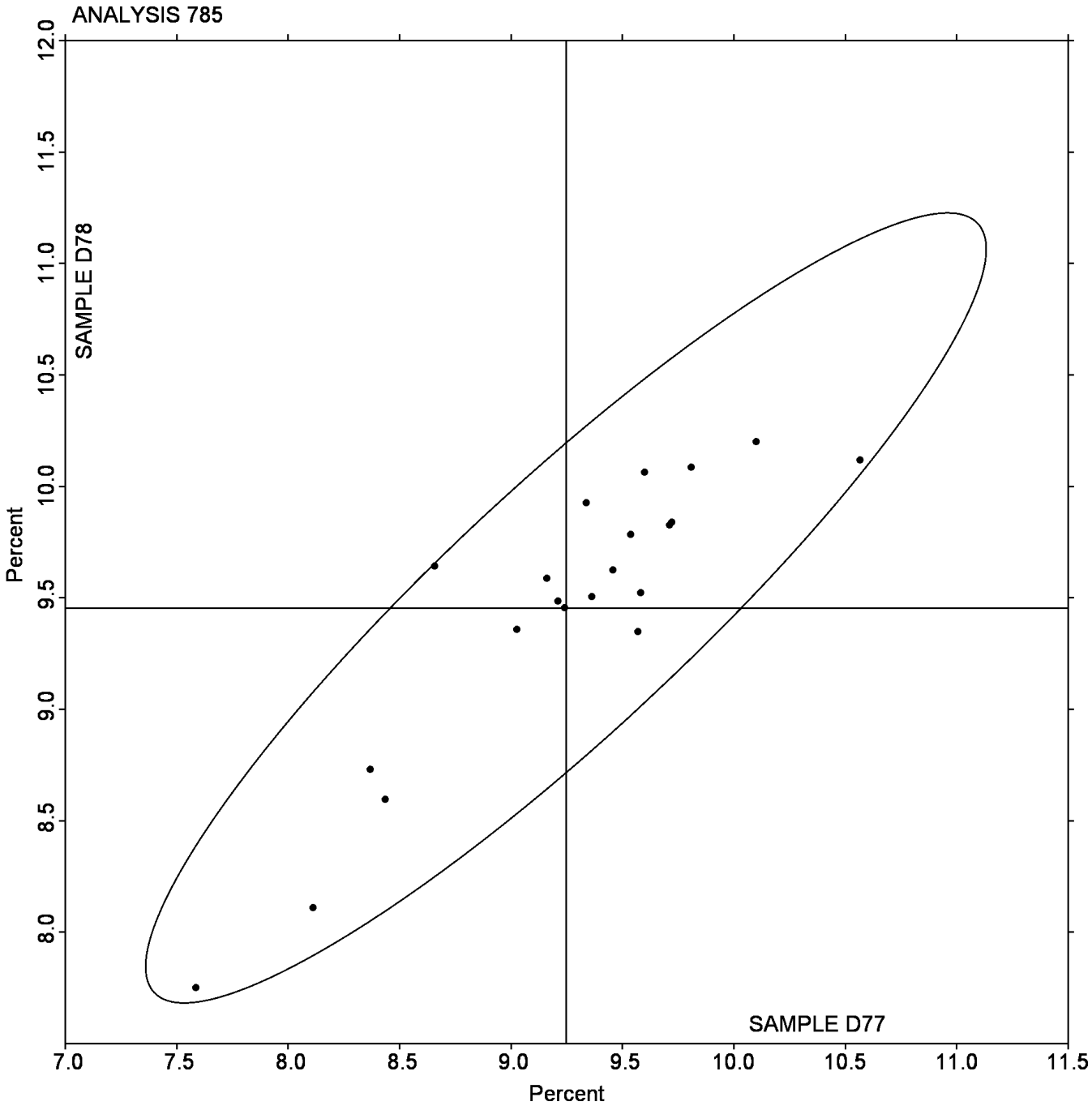
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

Grand Mean Sample D77: 9.2463 Percent Grand Mean Sample D78: 9.4546 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

WebCode	Data Flag	Sample D77 Lab Mean	Sample D77 Diff from Grand Mean	Sample D77 CPV	Sample D78 Lab Mean	Sample D78 Diff from Grand Mean	Sample D78 CPV	Instr Code
1DN9VR		91.63	-0.90	-0.72	91.64	-0.89	-0.71	BJ
28SWC7		90.74	-1.79	-1.43	90.79	-1.74	-1.39	HL
BBR9HQ		93.30	0.77	0.61	93.33	0.79	0.63	BJ
CLEBKJ		91.24	-1.29	-1.02	91.30	-1.24	-0.98	XR
E2KNKT		91.28	-1.25	-1.00	91.26	-1.27	-1.01	BG
GQZ1LB		94.05	1.52	1.21	94.05	1.52	1.21	BJ
K6GLV2		93.40	0.87	0.69	93.48	0.94	0.75	XX
KRYWLD		92.91	0.38	0.30	92.99	0.46	0.36	BJ
M8F24A		93.68	1.15	0.91	93.60	1.07	0.85	BJ
MM4MWN		92.34	-0.19	-0.15	92.25	-0.28	-0.22	BT
NYDHVK		95.14	2.61	2.07	95.16	2.63	2.09	BJ
PB9UCH		91.99	-0.54	-0.43	91.91	-0.62	-0.49	BH
PDXT6Y		93.60	1.07	0.85	93.60	1.07	0.85	BJ
PS6SW8		90.91	-1.62	-1.29	90.85	-1.69	-1.34	DA
QSYARD		92.40	-0.13	-0.10	92.41	-0.12	-0.09	BJ
SDQ339		92.03	-0.50	-0.40	92.06	-0.47	-0.37	XX
V5RKF8		90.82	-1.71	-1.36	90.88	-1.65	-1.31	HL
YS4K3B		92.70	0.17	0.14	92.64	0.11	0.08	BJ
ZCTVQF		93.93	1.40	1.11	93.91	1.38	1.10	BJ

Summary Statistics

	Sample D77	Sample D78
Grand Means	92.529 Percent	92.531 Percent
Stnd Dev Btwn Labs	1.257 Percent	1.256 Percent

Statistics based on 19 of 19 reporting participants

Sample D77: LDPE & Sample D78: LDPE

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

Instrument Code List as Reported by the Labs

(BG) - BYK-Gardner/Pacific Scientific

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Plus Spectrophotometer

(DA) - Datacolor SF 600 Series

(HL) - Hunterlab Ultrascan XE

(XR) - X-Rite Spectrocolorimeter (any model)

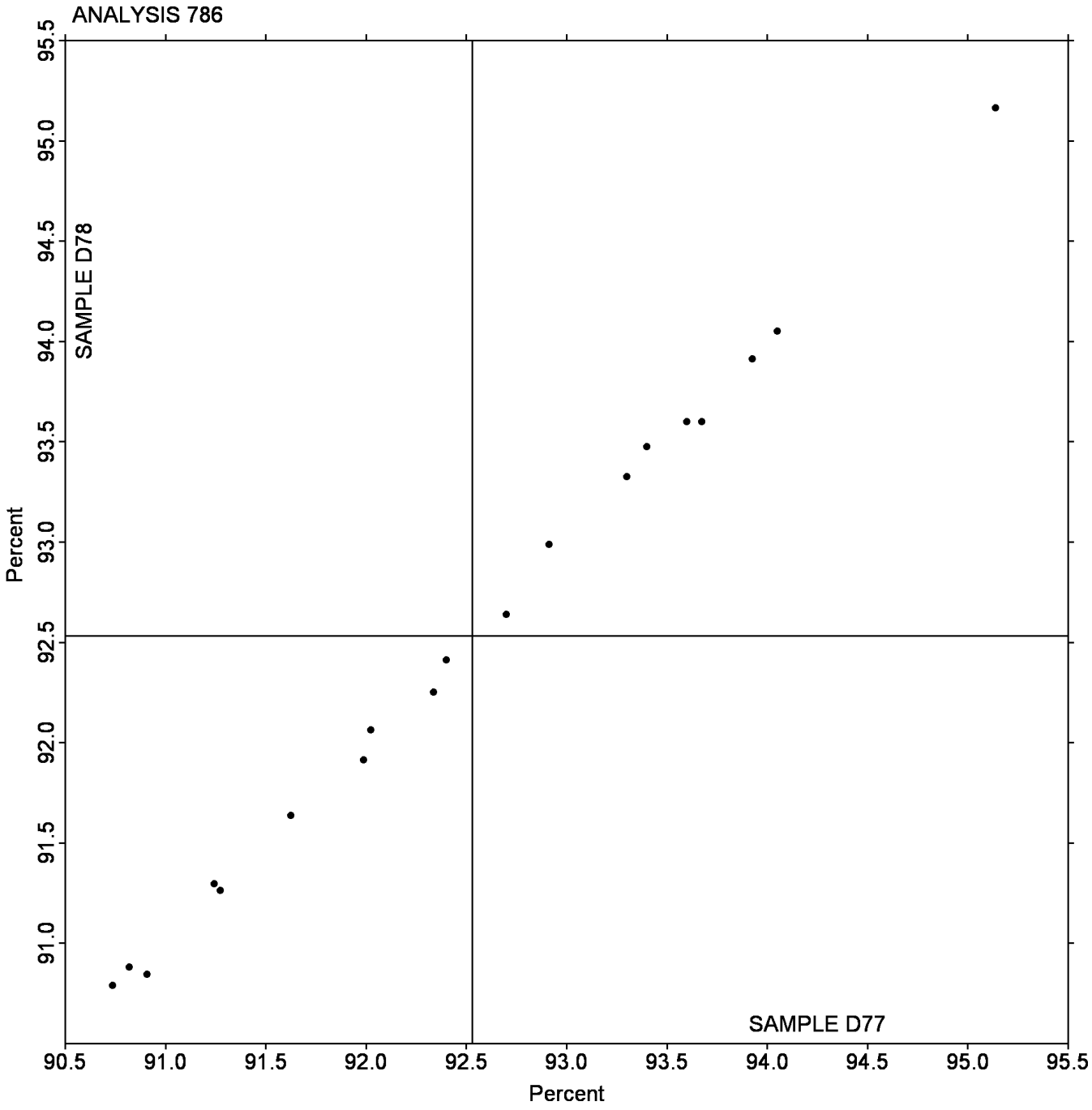
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

Grand Mean Sample D77: 92.529 Percent Grand Mean Sample D78: 92.531 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Report #70

Plastics Interlaboratory Testing Program

2nd Qtr 2009

Analysis 755
Moisture Content of Plastics

WebCode	Data Flag	Sample Y77 Lab Mean	Sample Y77 Diff from Grand Mean	Sample Y77 CPV	Sample Y78 Lab Mean	Sample Y78 Diff from Grand Mean	Sample Y78 CPV	Instr Code
18WWZ2	X	0.08000	0.05561	7.48	0.07000	0.04675	5.54	MU
1YQ9ZJ	X	0.03667	0.01228	1.65	0.01667	-0.00658	-0.78	AQ
3J2SZH		0.02747	0.00308	0.41	0.01647	-0.00678	-0.80	MR
4BZ7ZP		0.02000	-0.00439	-0.59	0.01333	-0.00991	-1.17	MR
5D1TFX		0.01967	-0.00472	-0.63	0.01900	-0.00425	-0.50	MK
7EQUJT		0.01920	-0.00519	-0.70	0.01799	-0.00526	-0.62	MR
8UVQ2C		0.02067	-0.00372	-0.50	0.02033	-0.00291	-0.35	XX
9GN2SU		0.02100	-0.00339	-0.46	0.02100	-0.00225	-0.27	MK
DJJLZY		0.02000	-0.00439	-0.59	0.01800	-0.00525	-0.62	XX
F1U6DY		0.01900	-0.00539	-0.72	0.01900	-0.00425	-0.50	MK
GFD3UE		0.03600	0.01161	1.56	0.03900	0.01575	1.87	XX
H3U16Z		0.02850	0.00411	0.55	0.03000	0.00675	0.80	ML
HSPQMC		0.02600	0.00161	0.22	0.02567	0.00242	0.29	XX
J6HNX9		0.02133	-0.00306	-0.41	0.02133	-0.00191	-0.23	ML
K8XBGW		0.02320	-0.00119	-0.16	0.02500	0.00175	0.21	AZ
KP655Z		0.01400	-0.01039	-1.40	0.01200	-0.01125	-1.33	MQ
M9DT9A	X	0.17267	0.14828	19.93	0.15700	0.13375	15.85	XX
MK2KCD		0.02367	-0.00072	-0.10	0.01787	-0.00538	-0.64	MJ
MM5MSG		0.01567	-0.00872	-1.17	0.01233	-0.01091	-1.29	MK
N4D6Q5		0.02317	-0.00122	-0.16	0.02317	-0.00008	-0.01	XX
NFKMCX		0.03627	0.01188	1.60	0.03340	0.01015	1.20	MD
NSVL1Q		0.01900	-0.00539	-0.72	0.01750	-0.00575	-0.68	BA
P23HYU		0.02133	-0.00306	-0.41	0.02123	-0.00201	-0.24	MR
PNJ2MF		0.01933	-0.00506	-0.68	0.01833	-0.00491	-0.58	ML
QRLZ8U		0.03008	0.00569	0.76	0.02811	0.00486	0.58	MS
S2RU53		0.03233	0.00794	1.07	0.03667	0.01342	1.59	MD
T5VGK2		0.02300	-0.00139	-0.19	0.02367	0.00042	0.05	XX
TK4ZZJ	*	0.01400	-0.01039	-1.40	0.02333	0.00009	0.01	AZ
U2QBA2	X	0.07600	0.05161	6.94	0.07300	0.04975	5.90	XX
UTKM4N		0.01857	-0.00582	-0.78	0.01840	-0.00485	-0.57	ML
VM64RU		0.02100	-0.00339	-0.46	0.01300	-0.01025	-1.21	XX
WH4WQ7		0.02533	0.00094	0.13	0.02400	0.00075	0.09	ML

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

WebCode	Data Flag	Sample Y77 Lab Mean	Sample Y77 Diff from Grand Mean	Sample Y77 CPV	Sample Y78 Lab Mean	Sample Y78 Diff from Grand Mean	Sample Y78 CPV	Instr Code
X38VX8		0.04233	0.01794	2.41	0.04100	0.01775	2.10	AZ
X716KQ	*	0.03667	0.01228	1.65	0.02333	0.00009	0.01	MU
XBESJP	*	0.04100	0.01661	2.23	0.04700	0.02375	2.82	MB
ZB18HX		0.02170	-0.00269	-0.36	0.02340	0.00015	0.02	XX

Summary Statistics

	Sample Y77	Sample Y78
Grand Means	0.024390 Percent	0.023246 Percent
Stnd Dev Btwn Labs	0.007438 Percent	0.008437 Percent

Statistics based on 32 of 36 reporting participants

Sample Y77: ABS & Sample Y78: ABS

Comments on assigned Data Flags for Test #755

18WWZ2 (X) - Data for both samples are high.

1YQ9ZJ (X) - Inconsistent in testing between samples.

M9DT9A (X) - Data for both samples are high. Data may be off by a factor of 10.

U2QBA2 (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(AQ) - Aquastar

(AZ) - Arizona Instruments Moisture Analyzer

(BA) - Brabender Aquatrac

(MB) - Omnimark Mark 3

(MD) - Mettler Toledo DL37

(MJ) - Mitsubishi KF Analyzer Series

(MK) - Mitsubishi KF Analyzer CA 100

(ML) - Metrohm Coulometer

(MQ) - Metrohm Coulometer 737 KF

(MR) - Metrohm Coulineter 756 KF

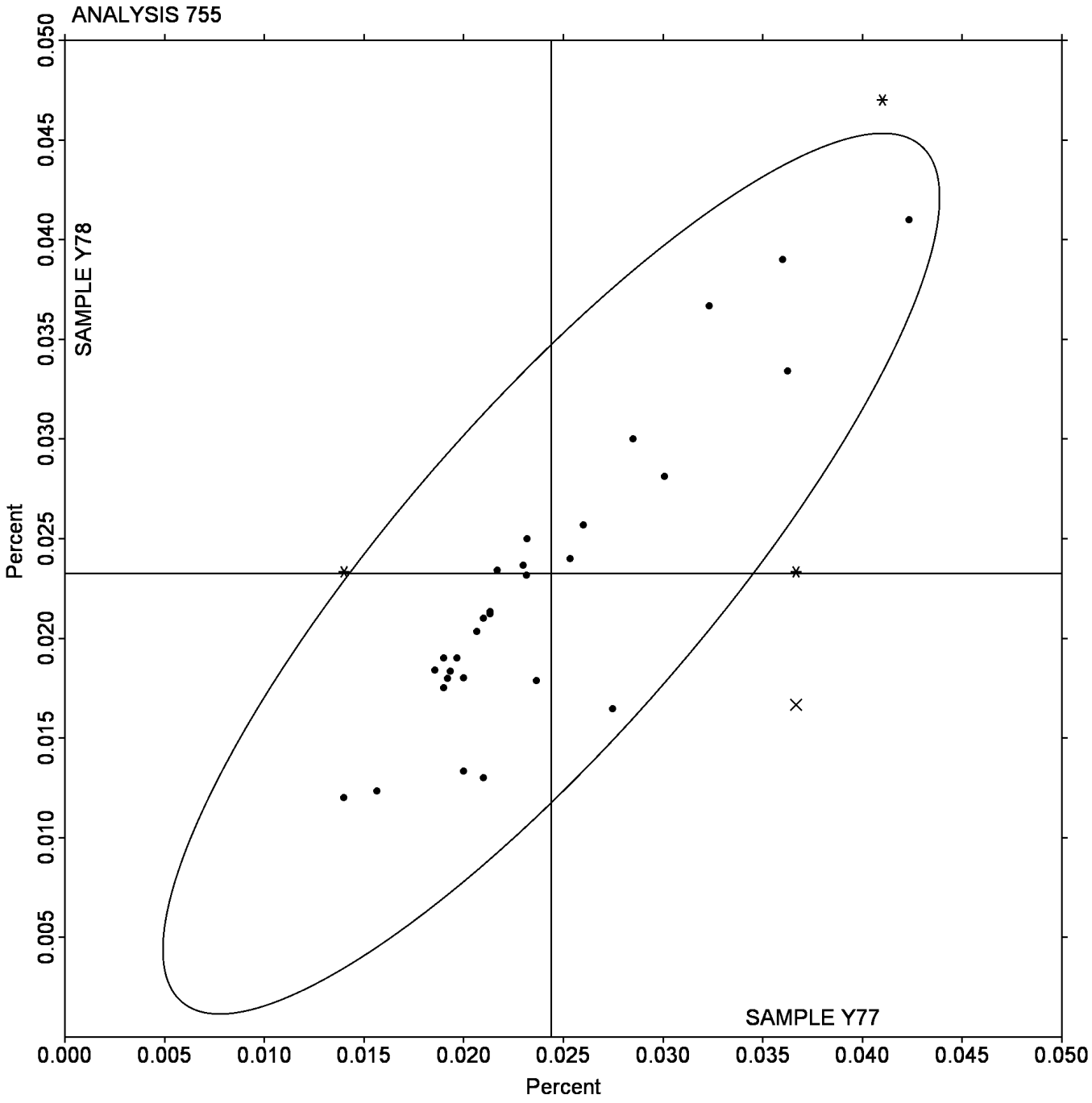
(MS) - Metrohm Coulometer 831 KF

(MU) - Mettler

(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program
Analysis 755
Moisture Content of Plastics

Grand Mean Sample Y77: 0.02439 Percent Grand Mean Sample Y78: 0.02325 Percent



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