

Plastics Interlaboratory Testing Program

Web Summary Report #71, 3rd Qtr 2009

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705	Tensile Stress at Break, Plastic Samples	755	Moisture Content of Plastics
706	Percent Elongation at Yield, Plastic Samples	757	Ash Content in Thermoplastics
708	Modulus of Elasticity, Plastic Samples	770	Tensile Stress at Yield, Film Samples
730	Tensile Stress at Yield, ISO Plastic Samples	771	Tensile Stress at Break, Film Samples
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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.

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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:

<u>DATA FLAG</u>	<u>STATISTICALLY INCLUDED/EXCLUDED</u>	<u>ACTION REQUIRED</u>
*	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 #71

Plastics Interlaboratory Testing Program

Analysis 704 - Tensile Stress at Yield

Material: HIPS	Sample F79	4,269.27	psi	2.55% COV
	Sample F80	4,259.39	psi	2.65% COV

Analysis 705 - Tensile Stress at Break

Material: HIPS	Sample F79	3,492.80	psi	2.81% COV
	Sample F80	3,470.28	psi	3.24% COV

Analysis 706 - Percent Elongation at Yield

Material: HIPS	Sample F79	1.5804	Percent	5.77% COV
	Sample F80	1.5730	Percent	5.88% COV

Analysis 708 - Modulus of Elasticity

Material: HIPS	Sample F79	316.10	ksi	7.43% COV
	Sample F80	317.32	ksi	8.01% COV

Analysis 730 - Tensile Stress at Yield, ISO Method

Material: ABS/PC	Sample C79	63.859	MPa	1.48% COV
	Sample C80	62.952	MPa	1.75% COV

Analysis 731 - Tensile Stress at Break, ISO Method

Material: ABS/PC	Sample C79	52.145	MPa	6.25% COV
	Sample C80	48.514	MPa	3.20% COV

Analysis 732 - Strain at Yield, ISO Method

Material: ABS/PC	Sample C79	4.3390	Percent	2.48% COV
	Sample C80	3.4770	Percent	2.38% COV

Analysis 734 - Modulus of Elasticity, ISO Method

Material: ABS/PC	Sample C79	2,723.10	MPa	4.48% COV
	Sample C80	2,840.86	MPa	3.97% COV

Analysis 720 - Flexural Modulus

Material: HIPS	Sample J79	331.88	ksi	4.71% COV
	Sample J80	331.93	ksi	4.66% COV

Analysis 721 - Flexural Stress at 5% Strain

Material: HIPS	Sample J79	6,634.46	psi	3.73% COV
	Sample J80	6,659.88	psi	3.67% COV

Analysis 722 - Flexural Stress at Yield

Material: HIPS	Sample J79	6,628.01	psi	3.22% COV
	Sample J80	6,644.41	psi	3.11% COV

Analysis 736 - Flexural Modulus

Material: ABS/PC	Sample K79	2,706.80	MPa	2.58% COV
	Sample K80	2,839.28	MPa	3.09% COV

Analysis 737 - Flexural Stress at 3.5% Strain

Material: ABS/PC	Sample K79	86.435	MPa	1.80% COV
	Sample K80	90.393	MPa	1.89% COV

Results Summary for Web Summary Report #71

Plastics Interlaboratory Testing Program

Analysis 738 - Flexural Stress at Yield

Material: ABS/PC	Sample K79	97.334	MPa	5.85% COV
	Sample K80	96.735	MPa	3.41% COV

Analysis 790 - Notched Izod Impact

Material: ABS/PC	Sample S79	11.741	ft.lbf/in	6.15% COV
	Sample S80	13.604	ft.lbf/in	6.07% COV

Analysis 792 - Notched Charpy Impact

Material: HIPS	Sample M79	25.237	kJ/m ²	3.52% COV
	Sample M80	25.547	kJ/m ²	3.55% COV

Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)

Material: HIPS	Sample E79	81.569	Degrees C	1.44% COV
	Sample E80	78.562	Degrees C	1.58% COV

Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)

Material: PP	Sample G79	65.768	Degrees C	3.76% COV
	Sample G80	113.41	Degrees C	4.16% COV

Analysis 712 - Temperature of Deflection (1.80 MPa)

Material: HIPS	Sample N79	81.246	Degrees C	1.24% COV
	Sample N80	77.513	Degrees C	1.73% COV

Analysis 715 - Vicat Temperature (Rate A)

Material: ABS/PC	Sample H79	113.24	Degrees C	1.28% COV
	Sample H80	113.05	Degrees C	1.33% COV

Analysis 716 - Vicat Temperature (Rate B)

Material: ABS/PC	Sample R79	114.95	Degrees C	0.887% COV
	Sample R80	114.70	Degrees C	0.852% COV

Analysis 750 - Flow Rate (190C or 230C/2.16 kg)

Material: LDPE	Sample X79	6.4749	grams/10 mins	3.62% COV
	Sample X80	7.0546	grams/10 mins	3.99% COV

Analysis 718 - Specific Gravity

Material: ABS/PC	Sample T79	1.1907	sp gr 23/23 C	0.175% COV
	Sample T80	1.1829	sp gr 23/23 C	0.147% COV

Analysis 757 - Ash Content

Material: PBT	Sample L79	15.139	Percent	0.545% COV
	Sample L80	17.862	Percent	0.914% COV

Analysis 770 - Tensile Stress at Yield, Films

Material: LDPE	Sample B79	2,174.49	psi	12.2% COV
	Sample B80	2,212.77	psi	12.9% COV

Analysis 771 - Tensile Stress at Break, Films

Material: LDPE	Sample B79	3,685.13	psi	8.28% COV
	Sample B80	3,779.54	psi	7.59% COV

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Analysis 772 - Elongation at Yield, Films

Material: LDPE	Sample B79	92.058	Percent	33.5% COV
	Sample B80	99.912	Percent	34.5% COV

Analysis 773 - Elongation at Break, Films

Material: LDPE	Sample B79	680.85	Percent	20.5% COV
	Sample B80	678.68	Percent	19.9% COV

Analysis 774 - Thickness of Film Specimens

Material: LDPE	Sample B79	3.8170	mils	2.35% COV
	Sample B80	3.7532	mils	2.12% COV

Analysis 775 - Secant Modulus at 1% Strain

Material: LDPE	Sample B79	31,410.64	psi	13.1% COV
	Sample B80	31,276.73	psi	11.6% COV

Analysis 776 - Secant Modulus at 2% Strain

Material: LDPE	Sample B79	27,810.58	psi	5.24% COV
	Sample B80	27,629.42	psi	5.39% COV

Analysis 780 - Static Friction

Material: LDPE	Sample P79	0.22442	COF	18.2% COV
	Sample P80	0.17999	COF	19.5% COV

Analysis 781 - Kinetic Friction

Material: LDPE	Sample P79	0.17476	COF	27.6% COV
	Sample P80	0.12344	COF	24.1% COV

Analysis 782 - Tear Resistance of Film

Material: LDPE	Sample Q79	248.26	grams-force	25.1% COV
	Sample Q80	195.74	grams-force	30.5% COV

Analysis 785 - Percent Haze

Material: LDPE	Sample D79	9.0976	Percent	6.18% COV
	Sample D80	9.3714	Percent	6.56% COV

Analysis 786 - Total Transmittance

Material: LDPE	Sample D79	92.299	Percent	1.42% COV
	Sample D80	92.351	Percent	1.40% COV

Analysis 755 - Moisture Content

Material: ABS	Sample Y79	0.25964	Percent	16.4% COV
	Sample Y80	0.25591	Percent	12.8% COV

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
1HTA81		4,211.9	-57.3	-0.53	4,238.0	-21.3	-0.19
2BUU1U		4,304.8	35.5	0.33	4,232.2	-27.1	-0.24
2HVD6B		4,284.0	14.7	0.14	4,254.8	-4.6	-0.04
2LH2NH		4,304.4	35.2	0.32	4,303.8	44.4	0.39
345H85		4,343.4	74.1	0.68	4,312.6	53.2	0.47
35GWPL		4,119.0	-150.3	-1.38	4,076.6	-182.8	-1.62
3L3X9J		4,292.9	23.6	0.22	4,302.7	43.3	0.38
476DHC		4,153.0	-116.2	-1.07	4,209.0	-50.4	-0.45
4BXSS9		4,259.8	-9.5	-0.09	4,215.6	-43.8	-0.39
4EL44J		4,276.8	7.5	0.07	4,283.6	24.2	0.21
5CBKJ2		4,127.2	-142.1	-1.30	4,147.0	-112.4	-0.99
66X8Y9		4,333.0	63.7	0.59	4,368.0	108.6	0.96
67QSFV		4,219.4	-49.9	-0.46	4,096.0	-163.4	-1.44
67QTBD		4,266.2	-3.1	-0.03	4,259.0	-0.4	0.00
7DFS1K		4,162.8	-106.5	-0.98	4,170.4	-89.0	-0.79
7RD221		4,318.0	48.7	0.45	4,202.0	-57.4	-0.51
8JFN1Z		4,284.5	15.2	0.14	4,246.7	-12.6	-0.11
8VY44Q		4,419.9	150.7	1.38	4,425.1	165.8	1.47
97BP6W	X	3,801.2	-468.1	-4.30	3,751.8	-507.6	-4.49
9HQS4G		4,345.4	76.1	0.70	4,348.3	88.9	0.79
A3UKY1		4,233.4	-35.9	-0.33	4,259.8	0.4	0.00
AFZSWZ		4,304.8	35.5	0.33	4,276.0	16.6	0.15
ALPE93		4,156.8	-112.5	-1.03	4,148.1	-111.3	-0.98
AUGSLD	X	3,626.0	-643.3	-5.91	3,646.3	-613.1	-5.42
BDZSQC		4,229.6	-39.7	-0.36	4,214.4	-45.0	-0.40
BSBELR	*	4,533.3	264.1	2.42	4,458.2	198.8	1.76
BUTQ9V		4,237.3	-32.0	-0.29	4,237.1	-22.3	-0.20
BYB18H		4,109.8	-159.4	-1.46	4,012.6	-246.7	-2.18
C3SFZQ		4,326.6	57.3	0.53	4,312.0	52.6	0.47
CA4MDR		4,343.4	74.1	0.68	4,336.8	77.4	0.68
D7DWCK		4,438.4	169.1	1.55	4,403.8	144.4	1.28
DPFMGG		4,243.4	-25.9	-0.24	4,286.6	27.2	0.24

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
DW2YTK		4,267.3	-1.9	-0.02	4,191.9	-67.5	-0.60
EJEF4S	*	4,141.8	-127.5	-1.17	4,278.8	19.4	0.17
EYWW77		4,316.6	47.3	0.43	4,313.2	53.8	0.48
F2F543		4,118.8	-150.5	-1.38	4,168.1	-91.3	-0.81
F53JUW		4,445.0	175.7	1.61	4,508.4	249.0	2.20
FYCDV3	X	3,393.9	-875.4	-8.04	3,434.8	-824.6	-7.29
G7U3GT		4,305.0	35.7	0.33	4,254.6	-4.8	-0.04
GT48YU		4,391.0	121.7	1.12	4,413.8	154.4	1.37
GUBYV6	*	4,017.4	-251.9	-2.31	3,973.0	-286.4	-2.53
GVAJZ5	X	4,690.0	420.7	3.86	4,638.0	378.6	3.35
HYY92M		4,238.4	-30.9	-0.28	4,256.4	-3.0	-0.03
J39PBJ		4,104.8	-164.5	-1.51	4,101.9	-157.5	-1.39
JQNCWT		4,313.0	43.7	0.40	4,335.8	76.4	0.68
L22CCS	*	3,974.1	-295.2	-2.71	3,916.1	-343.3	-3.04
LCXKSD		4,278.1	8.8	0.08	4,296.1	36.7	0.32
MM852C		4,213.4	-55.9	-0.51	4,306.2	46.8	0.41
NE68UL	*	4,315.8	46.5	0.43	4,437.0	177.6	1.57
NGNPFK		4,388.8	119.6	1.10	4,344.2	84.9	0.75
NYBTAT		4,100.6	-168.7	-1.55	4,122.2	-137.2	-1.21
PXML7P		4,153.6	-115.6	-1.06	4,205.6	-53.8	-0.48
QAVNJY		4,394.2	124.9	1.15	4,311.0	51.6	0.46
QB7R99	X	3,899.4	-369.9	-3.40	4,047.6	-211.8	-1.87
QLUYUK		4,220.0	-49.3	-0.45	4,218.0	-41.4	-0.37
QS1A4R		4,221.6	-47.7	-0.44	4,263.2	3.8	0.03
RCSNQX		4,094.8	-174.5	-1.60	4,133.8	-125.6	-1.11
S9HBV1		4,186.8	-82.5	-0.76	4,217.0	-42.4	-0.37
TXC1UW		4,432.1	162.8	1.49	4,442.3	182.9	1.62
U61CBF		4,297.6	28.3	0.26	4,229.4	-30.0	-0.27
U7UMEZ		4,170.4	-98.9	-0.91	4,183.0	-76.4	-0.68
VCL74B		4,248.4	-20.9	-0.19	4,141.4	-118.0	-1.04
VEPY5X		4,166.8	-102.5	-0.94	4,135.8	-123.6	-1.09
VZRMAA		4,329.4	60.1	0.55	4,362.2	102.8	0.91

Plastics Interlaboratory Testing Program
Analysis 704
Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
WG7L26		4,388.2	119.0	1.09	4,374.0	114.6	1.01
WPQV9F		4,373.2	103.9	0.95	4,313.2	53.8	0.48
WUCSN5		4,363.2	93.9	0.86	4,262.0	2.6	0.02
X6W9LU		4,359.2	89.9	0.83	4,282.2	22.8	0.20
X89RCC		4,351.8	82.5	0.76	4,344.2	84.8	0.75
XVKB5D		4,314.8	45.5	0.42	4,257.8	-1.6	-0.01
XZRGGA		4,398.6	129.3	1.19	4,373.4	114.0	1.01
Y6A417		4,383.0	113.7	1.04	4,430.8	171.4	1.52
Z1Q4U8		4,349.4	80.1	0.74	4,303.2	43.8	0.39

Summary Statistics

Grand Means

4,269.27 psi

4,259.39 psi

Std Dev Btwn Labs

108.90 psi

113.08 psi

Statistics based on 68 of 73 reporting participants

Sample F79: HIPS & Sample F80: HIPS

Comments on assigned Data Flags for Test #704

97BP6W (X) - Data for both samples are low. Possible Systematic Error.

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

FYCDV3 (X) - Data for both samples are low.

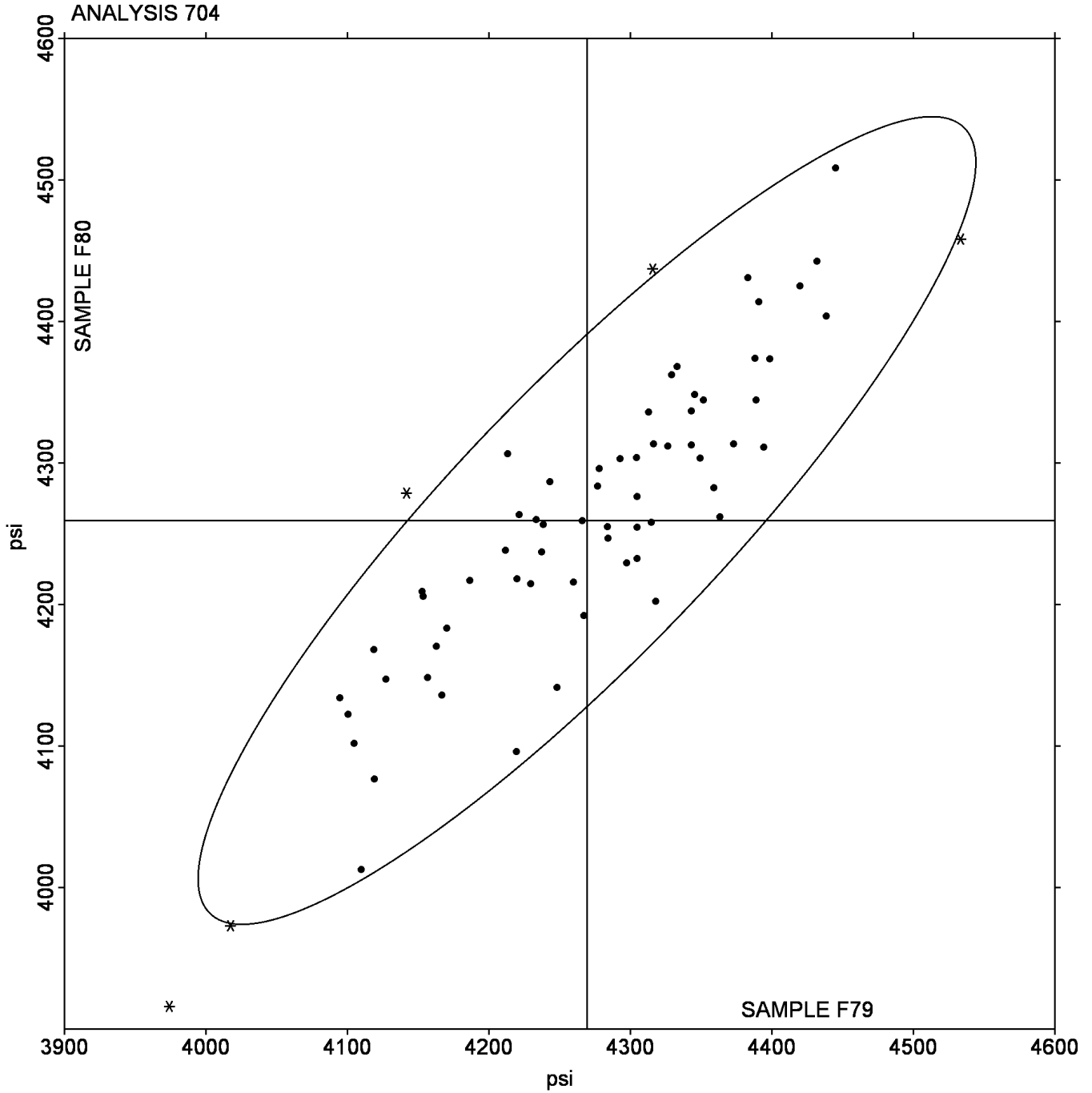
GVAJZ5 (X) - Data for both samples are high. Possible Systematic Error.

QB7R99 (X) - Inconsistent in testing between samples, data for Sample F79 are low.

Analysis 704

Tensile Stress at Yield - psi

Grand Mean Sample F79: 4,269.27 psi Grand Mean Sample F80: 4,259.39 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 F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
13MS49		3,564.0	71.2	0.72	3,398.8	-71.5	-0.64
1AQZA3		3,481.2	-11.6	-0.12	3,463.0	-7.3	-0.06
1EEP9T		3,383.2	-109.6	-1.12	3,414.8	-55.5	-0.49
1GCSCJ		3,477.0	-15.8	-0.16	3,462.8	-7.5	-0.07
1KWWY6		3,619.8	127.0	1.29	3,660.4	190.1	1.69
26GF27		3,579.8	87.0	0.89	3,473.8	3.5	0.03
2CRRD1	*	3,411.4	-81.4	-0.83	3,201.0	-269.3	-2.40
2R1M5C		3,617.4	124.6	1.27	3,695.2	224.9	2.00
4BMXHM		3,492.5	-0.3	0.00	3,434.5	-35.8	-0.32
4FGQL2		3,414.8	-78.0	-0.79	3,429.8	-40.5	-0.36
4XL2J1		3,668.6	175.8	1.79	3,588.0	117.7	1.05
5BMYE8		3,557.2	64.4	0.66	3,577.0	106.7	0.95
5NU2DT		3,462.4	-30.4	-0.31	3,450.8	-19.5	-0.17
5V4CHD		3,459.8	-33.0	-0.34	3,471.1	0.8	0.01
5YF4YE		3,513.7	20.9	0.21	3,384.0	-86.2	-0.77
789RMH		3,596.0	103.2	1.05	3,575.0	104.7	0.93
7FZKEG		3,510.6	17.8	0.18	3,412.6	-57.7	-0.51
7VYD53		3,496.2	3.4	0.03	3,432.2	-38.1	-0.34
81QHPT		3,435.3	-57.5	-0.59	3,491.5	21.3	0.19
8QERRA		3,456.6	-36.2	-0.37	3,462.6	-7.7	-0.07
A52YLY		3,478.0	-14.8	-0.15	3,439.6	-30.7	-0.27
AHBGGN		3,561.6	68.8	0.70	3,583.9	113.6	1.01
B8S7TW		3,569.2	76.4	0.78	3,606.4	136.1	1.21
BJERLE	X	3,022.6	-470.2	-4.78	3,118.3	-351.9	-3.13
BLZNR3		3,451.2	-41.6	-0.42	3,495.0	24.7	0.22
C8WC62		3,376.5	-116.3	-1.18	3,341.7	-128.6	-1.14
CJUEDT		3,492.5	-0.3	0.00	3,534.9	64.6	0.58
CTLN9H		3,433.1	-59.7	-0.61	3,410.4	-59.9	-0.53
D25JEU		3,626.1	133.3	1.36	3,590.9	120.6	1.07
D8BZA2		3,277.9	-214.9	-2.19	3,277.9	-192.4	-1.71
DAHJFJ		3,451.6	-41.2	-0.42	3,528.0	57.7	0.51
DHMNNW		3,544.8	52.0	0.53	3,608.6	138.3	1.23

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
DJS2BF		3,380.4	-112.4	-1.14	3,456.2	-14.1	-0.13
DQ2FRE	X	2,882.4	-610.4	-6.21	2,927.6	-542.7	-4.83
E8P447		3,480.1	-12.7	-0.13	3,445.6	-24.7	-0.22
EMGDEM		3,444.0	-48.8	-0.50	3,471.6	1.3	0.01
FYS4Y8		3,585.0	92.2	0.94	3,615.8	145.5	1.30
HX5RDN		3,580.0	87.2	0.89	3,440.0	-30.3	-0.27
KBXX7L		3,490.2	-2.6	-0.03	3,537.6	67.3	0.60
L9FE67		3,639.8	147.0	1.50	3,635.6	165.3	1.47
LB6DMR		3,452.0	-40.8	-0.42	3,418.0	-52.3	-0.47
LRGD2P		3,588.4	95.6	0.97	3,486.4	16.1	0.14
LVBKQL		3,535.0	42.2	0.43	3,453.4	-16.9	-0.15
MRB7F2		3,357.0	-135.8	-1.38	3,254.6	-215.7	-1.92
MVV2JU	X	3,068.7	-424.1	-4.32	3,006.9	-463.3	-4.12
P29NJ9		3,530.5	37.7	0.38	3,584.8	114.5	1.02
PFPX15		3,537.0	44.2	0.45	3,517.2	46.9	0.42
PLTW1A		3,674.0	181.2	1.84	3,523.3	53.1	0.47
PZPNWC		3,279.8	-213.0	-2.17	3,277.0	-193.3	-1.72
QLKTS4	*	3,369.3	-123.5	-1.26	3,200.4	-269.9	-2.40
QMCQYQ		3,562.0	69.2	0.70	3,582.6	112.3	1.00
RA1TWL		3,491.8	-1.0	-0.01	3,460.6	-9.7	-0.09
RESY65		3,498.6	5.8	0.06	3,435.7	-34.6	-0.31
SCZZM5		3,525.6	32.8	0.33	3,405.5	-64.8	-0.58
SWAP13		3,565.1	72.3	0.74	3,379.4	-90.9	-0.81
SXYEH9		3,309.8	-183.0	-1.86	3,341.7	-128.6	-1.14
V589CY		3,574.0	81.2	0.83	3,654.0	183.7	1.64
VLS5BG	X	2,972.4	-520.4	-5.30	2,789.2	-681.1	-6.06
VM5AWD		3,498.8	6.0	0.06	3,438.4	-31.9	-0.28
XT9741		3,632.0	139.2	1.42	3,604.8	134.5	1.20
YFM6F6		3,573.2	80.4	0.82	3,648.9	178.6	1.59
YP3QZL		3,400.0	-92.8	-0.94	3,405.8	-64.5	-0.57
YTKGGM		3,264.2	-228.6	-2.33	3,293.5	-176.7	-1.57
Z2CXY4		3,292.0	-200.8	-2.04	3,372.0	-98.3	-0.87

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
ZEH7DJ		3,491.2	-1.6	-0.02	3,450.6	-19.7	-0.18

Summary Statistics

Grand Means

3,492.80 psi

3,470.28 psi

Std Dev Btwn Labs

98.27 psi

112.33 psi

Statistics based on 61 of 65 reporting participants

Sample F79: HIPS & Sample F80: HIPS

Comments on assigned Data Flags for Test #705

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

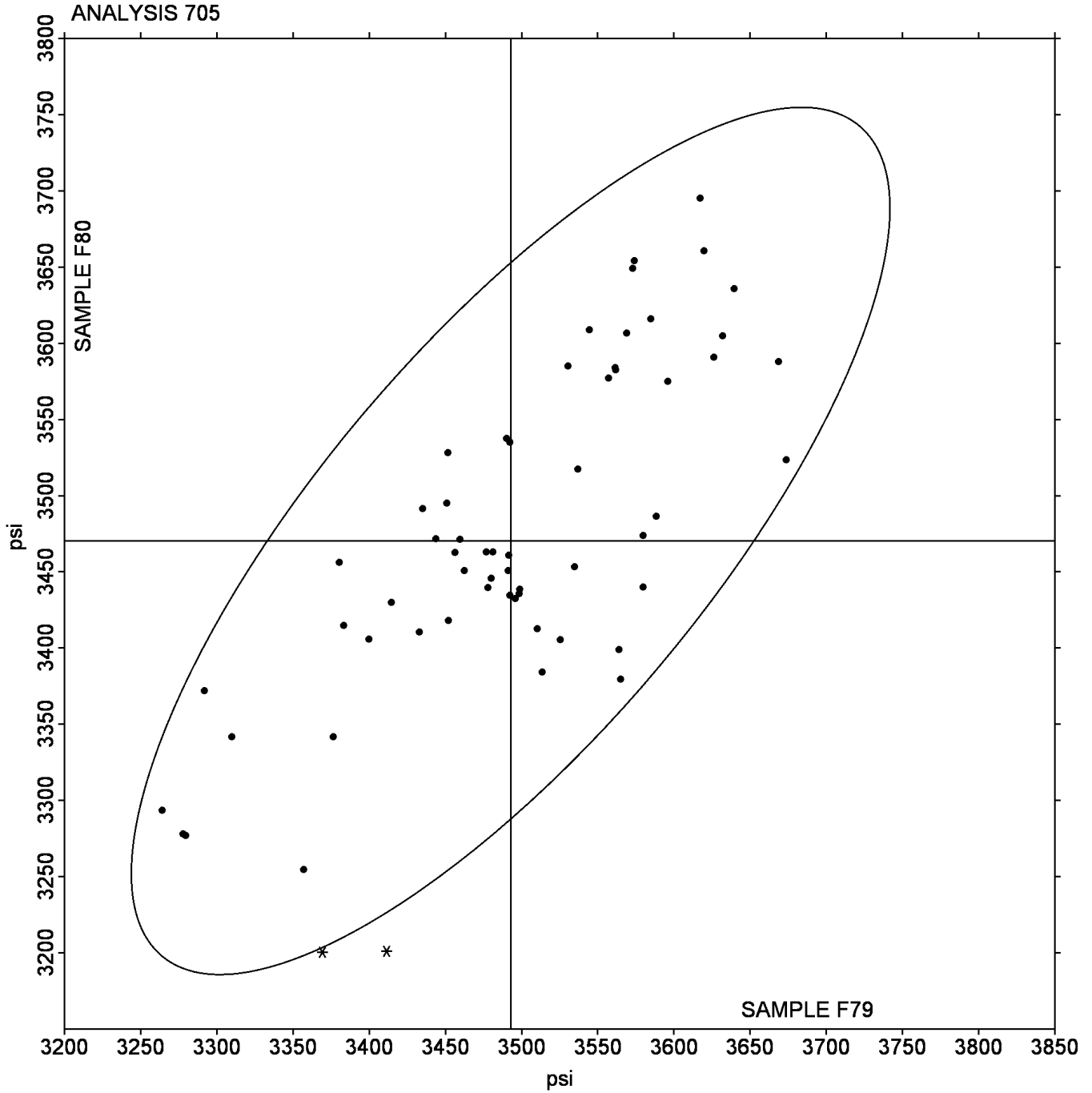
DQ2FRE (X) - Data for both samples are low. Also inconsistent in testing within both samples.

MVV2JU (X) - Data for both samples are low. Possible Systematic Error.

VLS5BG (X) - Data for both samples are low.

Analysis 705
Tensile Stress at Break - psi

Grand Mean Sample F79: 3,492.80 psi Grand Mean Sample F80: 3,470.28 psi



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

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
18XC7D		1.426	-0.154	-1.69	1.478	-0.095	-1.03
1PRGSP	*	1.768	0.188	2.06	1.638	0.065	0.70
26GCND		1.400	-0.180	-1.98	1.420	-0.153	-1.65
2JAW2G		1.588	0.008	0.08	1.608	0.035	0.38
2XWHUA		1.608	0.028	0.30	1.552	-0.021	-0.23
3SC5TL	X	1.576	-0.004	-0.05	1.290	-0.283	-3.06
4CDV2Z	X	1.088	-0.492	-5.40	1.158	-0.415	-4.49
4PSG6T		1.586	0.006	0.06	1.542	-0.031	-0.34
4QJAL9		1.620	0.040	0.43	1.616	0.043	0.46
63JJP9		1.602	0.022	0.24	1.610	0.037	0.40
66LJUN		1.596	0.016	0.17	1.612	0.039	0.42
6EVJ4J	X	2.862	1.282	14.05	2.848	1.275	13.78
6F5ELG		1.582	0.002	0.02	1.582	0.009	0.10
6QZT6P	X	41.981	40.401	443.06	33.367	31.794	343.66
7Q7MT9		1.626	0.046	0.50	1.640	0.067	0.72
7XBG8M		1.724	0.144	1.57	1.652	0.079	0.85
8U4DYW		1.430	-0.150	-1.65	1.428	-0.145	-1.57
8ZBSP7	X	1.338	-0.242	-2.66	1.644	0.071	0.77
9WXMVW		1.658	0.078	0.85	1.626	0.053	0.57
A5MF12		1.678	0.098	1.07	1.670	0.097	1.05
A8XS9P		1.750	0.170	1.86	1.760	0.187	2.02
BBX82X		1.700	0.120	1.31	1.674	0.101	1.09
C8RMWS		1.628	0.048	0.52	1.620	0.047	0.51
C96KZB		1.496	-0.084	-0.93	1.454	-0.119	-1.29
CTYF2Y		1.674	0.094	1.03	1.666	0.093	1.00
D24P1B	X	2.154	0.574	6.29	2.120	0.547	5.91
D6A219		1.554	-0.026	-0.29	1.610	0.037	0.40
EBXEVQ		1.574	-0.006	-0.07	1.538	-0.035	-0.38
EYATHN		1.594	0.014	0.15	1.570	-0.003	-0.03
F1N7XF	X	62.400	60.820	666.98	67.600	66.027	713.69
FTZLH2		1.458	-0.122	-1.34	1.508	-0.065	-0.70
HEC32K		1.631	0.050	0.55	1.661	0.088	0.95

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
JY8S9Z	X	2.068	0.488	5.35	1.928	0.355	3.84
L79UH7	*	1.646	0.066	0.72	1.508	-0.065	-0.70
LCPBCC		1.623	0.042	0.47	1.678	0.105	1.13
M6CPM1		1.460	-0.120	-1.32	1.500	-0.073	-0.79
M96FAK	X	62.418	60.838	667.18	68.752	67.179	726.14
MM114M	*	1.408	-0.173	-1.89	1.318	-0.255	-2.76
NB8U8W		1.424	-0.156	-1.71	1.368	-0.205	-2.22
NGKG77		1.516	-0.064	-0.71	1.474	-0.099	-1.07
P8TSKV		1.436	-0.144	-1.58	1.466	-0.107	-1.16
PMPTWQ		1.610	0.030	0.32	1.650	0.077	0.83
Q8QKTM		1.628	0.048	0.52	1.624	0.051	0.55
QE35DE		1.376	-0.204	-2.24	1.354	-0.219	-2.37
R4HVF7		1.620	0.040	0.43	1.540	-0.033	-0.36
RAL9CN		1.514	-0.066	-0.73	1.546	-0.027	-0.29
RYDVF2		1.616	0.036	0.39	1.596	0.023	0.25
S6X4S5		1.644	0.064	0.70	1.658	0.085	0.92
SBHY7G		1.674	0.094	1.03	1.694	0.121	1.31
SC7D6R	M	No data reported for this sample			1.020	-0.553	-5.98
T2XYN6		1.592	0.012	0.13	1.596	0.023	0.25
TQM5YS		1.633	0.053	0.58	1.634	0.061	0.65
TUCGTN		1.542	-0.038	-0.42	1.568	-0.005	-0.05
UJU64H		1.568	-0.012	-0.14	1.532	-0.041	-0.44
UN64JG		1.600	0.020	0.22	1.620	0.047	0.51
VHTQ5E		1.500	-0.080	-0.88	1.500	-0.073	-0.79
VKV9TS	X	2.003	0.423	4.63	1.974	0.401	4.33
W7B5YP		1.614	0.034	0.37	1.620	0.047	0.51
WP3478		1.584	0.004	0.04	1.678	0.105	1.13
XJ7RQG		1.644	0.064	0.70	1.644	0.071	0.77
XNVL1V		1.524	-0.056	-0.62	1.534	-0.039	-0.42
Y5H4Z5		1.524	-0.056	-0.62	1.510	-0.063	-0.68
YQPGQ6		1.622	0.042	0.46	1.580	0.007	0.08
ZEJV5V		1.668	0.088	0.96	1.646	0.073	0.79

Analysis 706

Percent Elongation at Yield - Percent

Summary Statistics

Grand Means

1.5804 Percent

1.5730 Percent

Std Dev Btwn Labs

0.0912 Percent

0.0925 Percent

Statistics based on 53 of 64 reporting participants

Sample F79: HIPS & Sample F80: HIPS

Comments on assigned Data Flags for Test #706

3SC5TL (X) - Inconsistent in testing between samples, data for Sample F80 are low. Also inconsistent in testing within Sample F79.

4CDV2Z (X) - Data for both samples are low.

6EVJ4J (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

6QZT6P (X) - Extreme data.

8ZBSP7 (X) - Inconsistent in testing between samples.

D24P1B (X) - Data for both samples are high.

F1N7XF (X) - Extreme data.

JY8S9Z (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

M96FAK (X) - Extreme data.

SC7D6R (M) - Laboratory did not submit data for Sample F79. Low data for Sample F80.

VKV9TS (X) - Data for both samples are high. Possible Systematic Error.

Analysis 706

Percent Elongation at Yield - Percent

Grand Mean Sample F79: 1.5804 Percent Grand Mean Sample F80: 1.5730 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 F79			Sample F80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
196JE8		320.83	4.74	0.20	324.43	7.12	0.28
1CQF2D		320.08	3.98	0.17	322.32	5.00	0.20
2YKNTD	X	343.90	27.80	1.18	306.20	-11.12	-0.44
38242T		288.36	-27.74	-1.18	292.72	-24.60	-0.97
3LX6Y8	*	339.40	23.30	0.99	363.94	46.62	1.83
5BJMDF		331.86	15.76	0.67	327.00	9.68	0.38
6NV5MQ		310.89	-5.20	-0.22	307.51	-9.81	-0.39
7363HN		319.06	2.96	0.13	321.42	4.10	0.16
8XVX5N		326.60	10.50	0.45	327.03	9.72	0.38
9MHADU		311.30	-4.80	-0.20	313.10	-4.22	-0.17
9NSCZF	*	349.22	33.12	1.41	327.72	10.40	0.41
AZYVV1		316.70	0.60	0.03	306.70	-10.62	-0.42
B26UXS	X	520.84	204.74	8.72	717.88	400.56	15.76
BGCMDW	*	356.10	40.00	1.70	380.18	62.86	2.47
C5AWJ4		277.79	-38.30	-1.63	283.81	-33.51	-1.32
CRVKHW		329.84	13.74	0.59	331.82	14.50	0.57
D1ARUQ		329.82	13.72	0.58	337.19	19.87	0.78
D518W1		311.46	-4.64	-0.20	307.02	-10.30	-0.41
DDJHFG		302.92	-13.18	-0.56	324.30	6.98	0.27
EGZ88K		280.22	-35.88	-1.53	277.95	-39.37	-1.55
ELV1B1		331.56	15.46	0.66	330.25	12.94	0.51
FH3D5Q		312.16	-3.94	-0.17	310.10	-7.22	-0.28
FV8R1L		326.09	9.99	0.43	344.32	27.00	1.06
GQGT8Z		316.79	0.69	0.03	314.22	-3.09	-0.12
GQRDMW		312.68	-3.41	-0.15	334.33	17.01	0.67
GTX44S		325.25	9.16	0.39	320.50	3.18	0.13
GWVM1Y		320.12	4.02	0.17	328.64	11.32	0.45
HZRBSW		312.21	-3.88	-0.17	313.43	-3.89	-0.15
J12HSH		327.82	11.72	0.50	326.66	9.34	0.37
K2PF9X		308.44	-7.65	-0.33	306.20	-11.12	-0.44
K5TPTL		312.40	-3.70	-0.16	310.40	-6.92	-0.27
KALTK4		264.61	-51.49	-2.19	256.95	-60.37	-2.38

Comments on assigned Data Flags for Test #708

2YKNTD (X) - Inconsistent in testing between samples and inconsistent in testing within Sample F79.

B26UXS (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

LBF9BX (M) - Laboratory did not submit data for Sample F79.

TPNU7X (X) - Data for both samples are high. Possible Systematic Error.

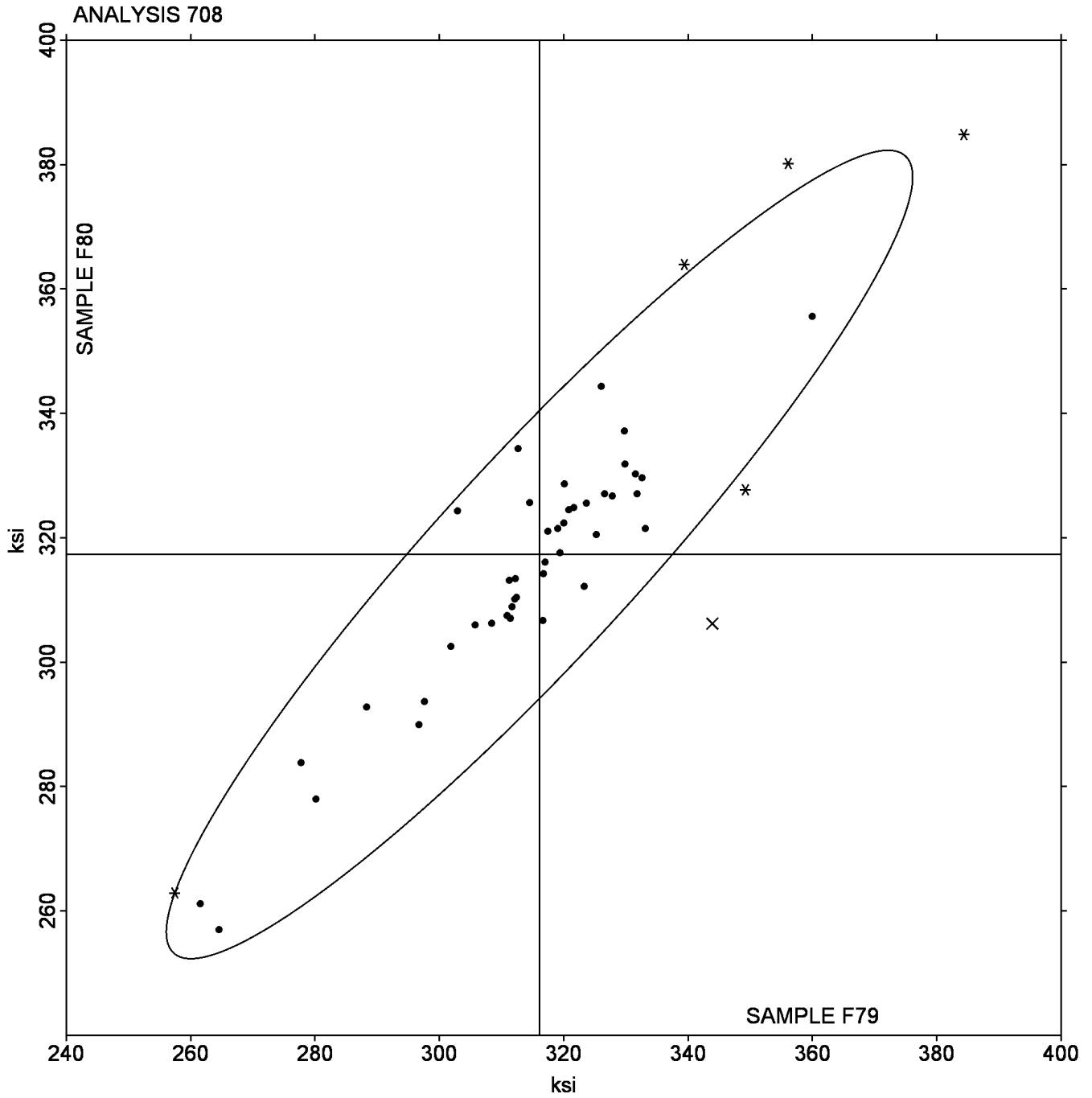
XNPWNR (X) - Data for both samples are low.

Y5AP66 (X) - Data for both samples are low.

ZXG993 (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program
Analysis 708
Modulus of Elasticity - ksi

Grand Mean Sample F79: 316.10 ksi Grand Mean Sample F80: 317.32 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 C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
17YA2G		64.40	0.54	0.57	63.60	0.65	0.59
1BCCDN		63.53	-0.33	-0.35	63.83	0.88	0.80
23LP83		63.79	-0.07	-0.08	62.71	-0.24	-0.22
2DCY9Y		63.16	-0.70	-0.74	61.55	-1.40	-1.27
3318NN		61.71	-2.15	-2.28	60.88	-2.07	-1.88
39XCYW		66.04	2.18	2.31	64.38	1.43	1.30
3B3XPH		63.09	-0.77	-0.82	62.66	-0.29	-0.26
4ECVLX		63.97	0.12	0.12	64.03	1.07	0.98
4JUZKA		63.46	-0.40	-0.42	62.90	-0.05	-0.05
4KXJXP		64.68	0.82	0.87	63.54	0.59	0.53
4M6CFM		64.04	0.18	0.19	62.01	-0.94	-0.86
4MEKC9		63.92	0.06	0.06	62.13	-0.82	-0.74
4V8PFX		64.44	0.58	0.62	62.92	-0.03	-0.03
5DS942		63.64	-0.22	-0.23	61.94	-1.01	-0.92
5QHKCL		63.21	-0.65	-0.69	61.97	-0.99	-0.90
5VRS1Q		62.64	-1.22	-1.29	62.18	-0.77	-0.70
6DCX93		62.97	-0.88	-0.94	61.19	-1.76	-1.61
7CX1FH		63.83	-0.03	-0.03	62.74	-0.21	-0.19
9TGPMH		63.33	-0.53	-0.56	61.66	-1.29	-1.17
ATMXTA		63.14	-0.72	-0.76	62.10	-0.85	-0.78
B55S21		63.93	0.07	0.07	63.43	0.48	0.43
B7LP75	*	66.19	2.33	2.47	63.96	1.01	0.92
BBD2MM		63.77	-0.08	-0.09	63.68	0.73	0.66
BXBH3A		64.81	0.95	1.01	63.55	0.60	0.55
CL3GCG		63.21	-0.65	-0.69	62.05	-0.90	-0.82
DB32JD		63.92	0.06	0.06	63.70	0.75	0.68
DD3WZM		65.17	1.31	1.39	64.17	1.22	1.11
E3UBY4		63.55	-0.31	-0.33	62.15	-0.80	-0.73
ER7WD6		63.40	-0.46	-0.49	63.17	0.22	0.20
G115KD		64.51	0.65	0.69	63.42	0.47	0.43
GLFVDA		63.36	-0.50	-0.53	63.77	0.82	0.74
JGGUXP		62.30	-1.56	-1.65	61.86	-1.09	-0.99

**Plastics Interlaboratory Testing Program
Analysis 730
Tensile Stress at Yield - MPa**

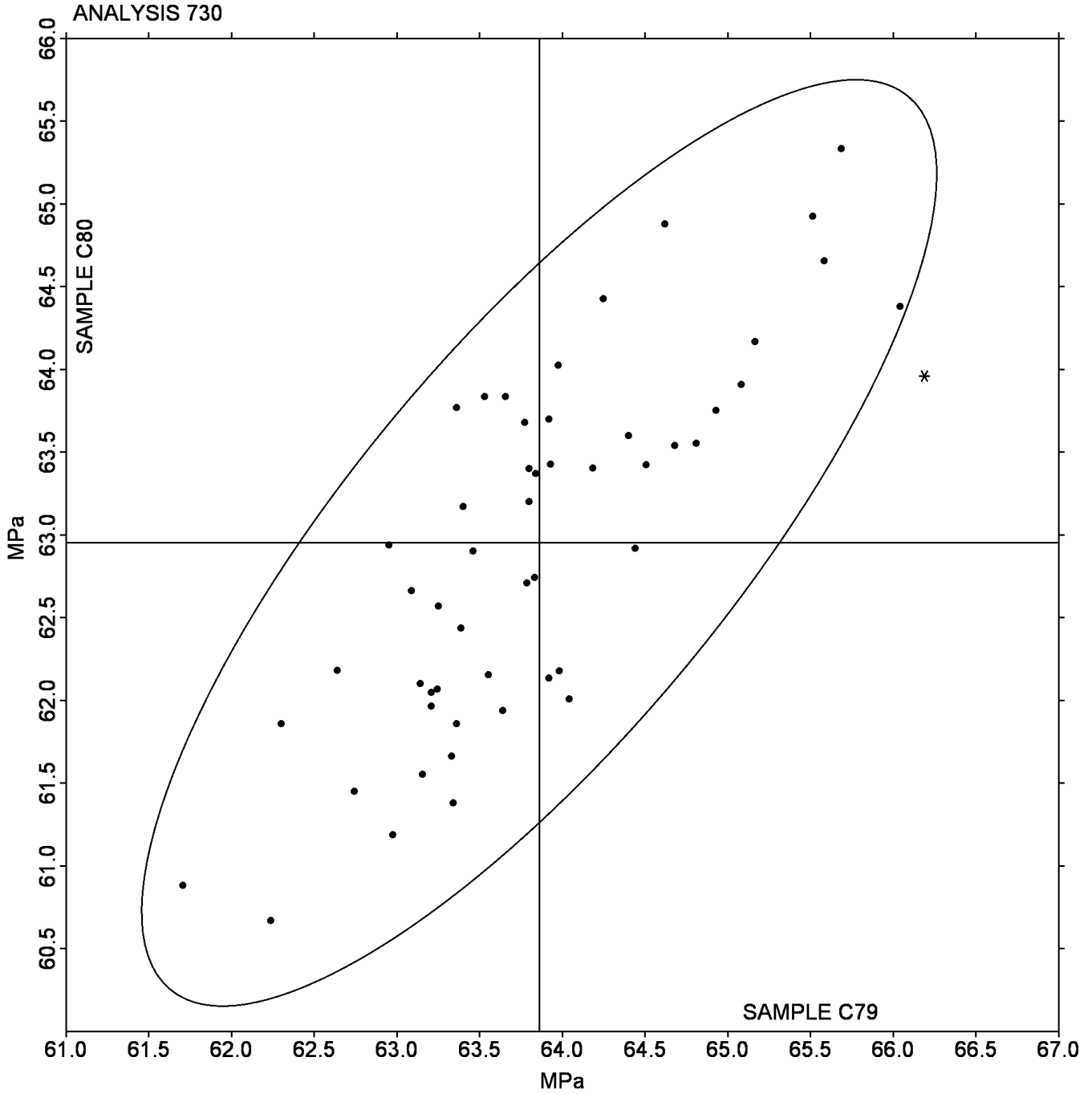
WebCode	Data Flag	Sample C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
KQKMAN		63.84	-0.02	-0.02	63.37	0.42	0.38
L7755Q		65.58	1.73	1.83	64.66	1.70	1.55
LCBM9Y		63.98	0.12	0.13	62.18	-0.77	-0.70
QZYX7X		63.66	-0.20	-0.22	63.83	0.88	0.80
RECR3W		63.80	-0.06	-0.06	63.40	0.45	0.41
RLVYJD		62.95	-0.91	-0.96	62.94	-0.01	-0.01
RQBE36		63.25	-0.61	-0.65	62.57	-0.38	-0.35
SEJMGH		63.39	-0.47	-0.50	62.44	-0.51	-0.47
SHQW79		65.08	1.22	1.30	63.91	0.96	0.87
TCH6HE		65.51	1.65	1.75	64.92	1.97	1.79
VC2KE2		64.25	0.39	0.41	64.43	1.47	1.34
VCAVPF		63.80	-0.06	-0.06	63.20	0.25	0.23
VMTSLC		64.62	0.76	0.81	64.88	1.93	1.75
VUA93H		63.36	-0.50	-0.53	61.86	-1.09	-0.99
W57LSG		64.18	0.33	0.34	63.40	0.45	0.41
W6PJDQ		65.69	1.83	1.94	65.33	2.38	2.17
WES291		64.93	1.07	1.14	63.75	0.80	0.73
WJ9JZS		62.24	-1.62	-1.72	60.67	-2.28	-2.08
WW6EQ5		62.74	-1.12	-1.18	61.45	-1.50	-1.37
ZPWBW4		63.34	-0.52	-0.55	61.38	-1.57	-1.43
ZY2P4C		63.24	-0.61	-0.65	62.07	-0.88	-0.80

Summary Statistics			
Grand Means	63.859 MPa	62.952 MPa	
Std Dev Btwn Labs	0.944 MPa	1.099 MPa	
Statistics based on 53 of 53 reporting participants			

Sample C79: ABS/PC & Sample C80: ABS/PC

Analysis 730
Tensile Stress at Yield - MPa

Grand Mean Sample C79: 63.859 MPa Grand Mean Sample C80: 62.952 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 C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
27WSX6		51.74	-0.41	-0.12	47.63	-0.88	-0.57
2XVNB5		54.60	2.45	0.75	47.10	-1.41	-0.91
33ENVF		53.16	1.02	0.31	48.64	0.12	0.08
4KCGRD		54.24	2.09	0.64	49.40	0.89	0.57
5N9FNP		48.50	-3.65	-1.12	48.20	-0.31	-0.20
63BNPZ		54.48	2.34	0.72	49.70	1.19	0.77
6RST6R		54.36	2.21	0.68	50.08	1.57	1.01
7KQHLD		47.53	-4.61	-1.41	46.51	-2.01	-1.29
7VMYHP		49.27	-2.88	-0.88	46.87	-1.64	-1.06
8A9XBD		45.63	-6.52	-2.00	44.78	-3.73	-2.41
8FD6R4	X	63.24	11.10	3.40	62.07	13.55	8.73
8K4Q82		51.38	-0.77	-0.23	47.92	-0.59	-0.38
AQALDT		53.28	1.13	0.35	48.46	-0.05	-0.03
BJ2VLC		55.41	3.26	1.00	50.37	1.85	1.19
BL36VT		49.98	-2.16	-0.66	48.59	0.07	0.05
CY9G9P		50.41	-1.74	-0.53	50.65	2.14	1.38
D3VYHQ		54.38	2.23	0.69	48.28	-0.23	-0.15
EDCTHQ		49.01	-3.13	-0.96	48.34	-0.18	-0.11
EGNJE1		49.54	-2.61	-0.80	49.51	0.99	0.64
EHWUS6		50.87	-1.27	-0.39	48.81	0.30	0.19
F2QS73		51.32	-0.82	-0.25	48.66	0.15	0.10
FKQ6UV		55.84	3.69	1.13	48.47	-0.04	-0.03
GS8U7V		55.71	3.56	1.09	49.34	0.82	0.53
J6B5LD		47.80	-4.35	-1.33	47.72	-0.79	-0.51
JEMZQ1	*	49.47	-2.67	-0.82	44.38	-4.13	-2.66
JUPRRR		51.74	-0.41	-0.12	49.30	0.79	0.51
KYT236		55.19	3.04	0.93	49.08	0.57	0.37
LKW35M		50.09	-2.06	-0.63	48.68	0.17	0.11
LSF922		47.66	-4.49	-1.38	45.68	-2.84	-1.83
NAS1CN		49.51	-2.64	-0.81	47.94	-0.58	-0.37
NN3SG4		49.12	-3.02	-0.93	49.08	0.57	0.37
PT5DJ9		51.38	-0.76	-0.23	49.13	0.61	0.40

Plastics Interlaboratory Testing Program
Analysis 731
Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
QY58V4		51.23	-0.91	-0.28	49.61	1.09	0.70
RH7ZBQ		53.47	1.32	0.41	48.72	0.21	0.14
SDC4WT		55.13	2.99	0.92	51.21	2.69	1.73
SM5USW		51.50	-0.64	-0.20	48.07	-0.45	-0.29
V86HVQ		50.56	-1.59	-0.49	45.92	-2.59	-1.67
W4PD26		55.07	2.92	0.90	47.69	-0.82	-0.53
WAP7CR	*	62.10	9.95	3.05	50.12	1.61	1.03
X4N8QQ	X	30.56	-21.59	-6.62	26.66	-21.86	-14.08
YH2RVG		56.94	4.80	1.47	47.41	-1.10	-0.71
YQP2DB		51.33	-0.81	-0.25	49.89	1.37	0.88
YUMF22		58.15	6.00	1.84	51.02	2.50	1.61
Z8LMRR		52.00	-0.15	-0.04	50.64	2.13	1.37

Summary Statistics

Grand Means

52.145 MPa

48.514 MPa

Std Dev Btwn Labs

3.261 MPa

1.552 MPa

Statistics based on 42 of 44 reporting participants

Sample C79: ABS/PC & Sample C80: ABS/PC

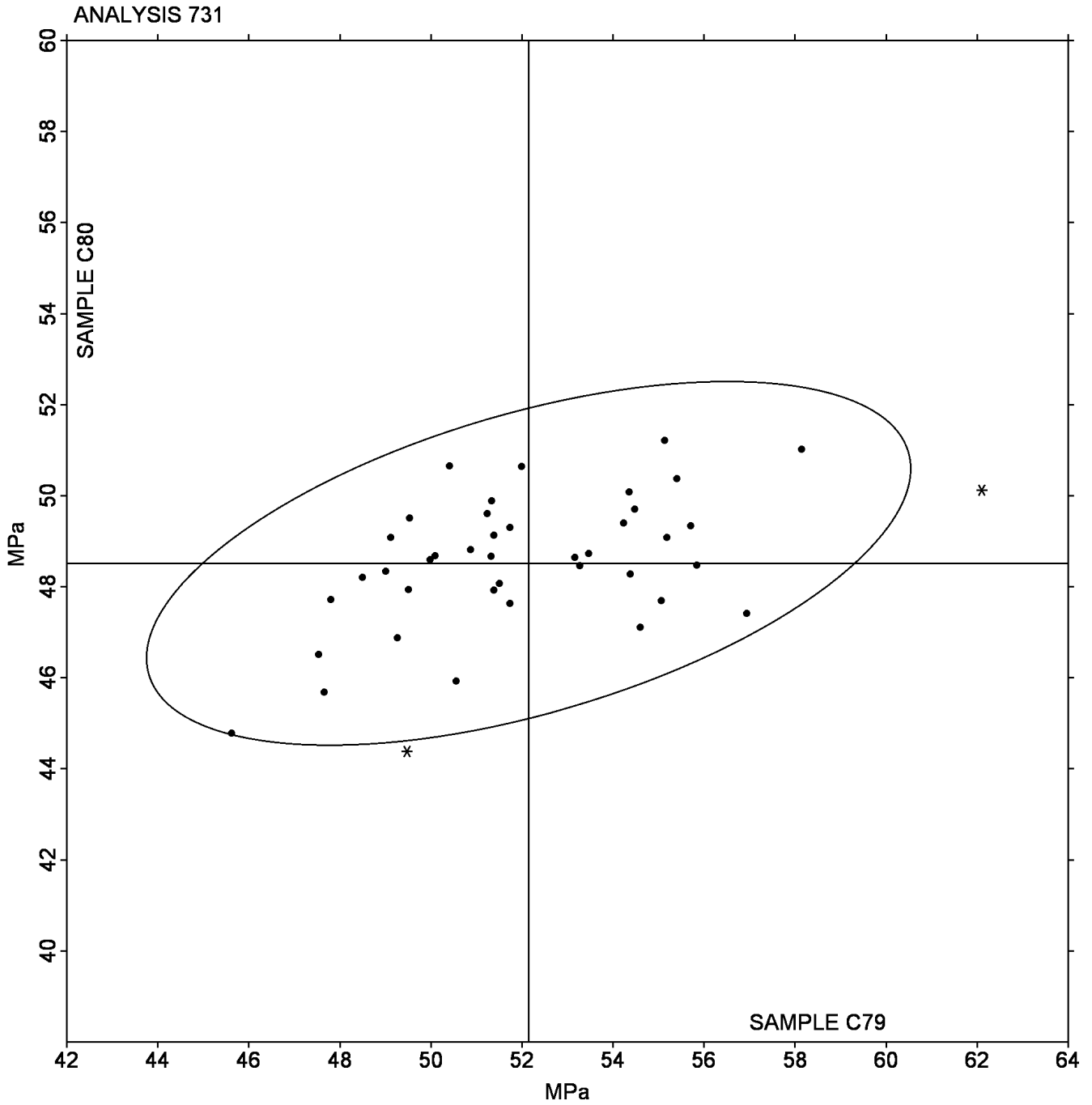
Comments on assigned Data Flags for Test #731

8FD6R4 (X) - Data for both samples are high.

X4N8QQ (X) - Data for both samples are low. Also inconsistent in testing within both sample sets.

Analysis 731
Tensile Stress at Break - MPa

Grand Mean Sample C79: 52.145 MPa Grand Mean Sample C80: 48.514 MPa



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

Analysis 732
Percent Strain at Yield

WebCode	Data Flag	Sample C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2FD64V		4.402	0.063	0.59	3.494	0.017	0.21
2G1J7F	X	3.553	-0.786	-7.29	2.968	-0.509	-6.16
2PLT1R		4.488	0.149	1.38	3.512	0.035	0.42
3KXX7F		4.300	-0.039	-0.36	3.480	0.003	0.04
4QMTQZ		4.262	-0.077	-0.71	3.394	-0.083	-1.00
5T6ECF		4.304	-0.035	-0.32	3.536	0.059	0.71
64BQSA		4.244	-0.095	-0.88	3.340	-0.137	-1.66
6BK9M1		4.462	0.123	1.14	3.484	0.007	0.08
6E75UN		4.252	-0.087	-0.81	3.464	-0.013	-0.16
6ZD8H8		4.534	0.195	1.81	3.668	0.191	2.31
7DAB71	*	4.154	-0.185	-1.72	3.264	-0.213	-2.58
7UWNRW	X	4.456	0.117	1.09	3.772	0.295	3.57
8GTK11		4.250	-0.089	-0.83	3.370	-0.107	-1.29
8WAXTB		4.418	0.079	0.73	3.574	0.097	1.17
9DEMQ8		4.240	-0.099	-0.92	3.442	-0.035	-0.42
AQRPXM		4.456	0.117	1.09	3.574	0.097	1.17
BBKK8B		4.264	-0.075	-0.70	3.474	-0.003	-0.04
DPJNLB		4.340	0.001	0.01	3.480	0.003	0.04
EHCDSN		4.260	-0.079	-0.73	3.428	-0.049	-0.59
EJ1Y2L		4.324	-0.015	-0.14	3.436	-0.041	-0.50
F7K6YP		4.396	0.057	0.53	3.472	-0.005	-0.06
FFBDLQ		4.432	0.093	0.86	3.528	0.051	0.62
FYGN1S		4.450	0.111	1.03	3.602	0.125	1.51
GJJ22R		4.482	0.143	1.33	3.597	0.120	1.45
GW4G5S		4.382	0.043	0.40	3.524	0.047	0.57
HV1R4W		4.298	-0.041	-0.38	3.483	0.006	0.07
JGYXJ4		4.314	-0.025	-0.23	3.466	-0.011	-0.13
JUVEKR		4.180	-0.159	-1.48	3.326	-0.151	-1.83
JXC419		4.472	0.133	1.24	3.552	0.075	0.91
JYDHJ9		4.194	-0.145	-1.35	3.404	-0.073	-0.88
KF68WG		4.380	0.041	0.38	3.464	-0.013	-0.16
KRQQN1		4.317	-0.022	-0.20	3.529	0.052	0.62

**Plastics Interlaboratory Testing Program
Analysis 732
Percent Strain at Yield**

WebCode	Data Flag	Sample C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
LRH7VG	X	3.920	-0.419	-3.89	3.180	-0.297	-3.59
MLET9D		4.400	0.061	0.57	3.460	-0.017	-0.21
NA67GY		4.306	-0.033	-0.31	3.460	-0.017	-0.21
NCGAK3		4.302	-0.037	-0.34	3.400	-0.077	-0.93
NZ7BEW	X	3.868	-0.471	-4.37	3.092	-0.385	-4.66
PE7U6X		4.446	0.107	0.99	3.536	0.059	0.71
PHX1X3		4.342	0.003	0.03	3.496	0.019	0.23
PVL1M3		4.136	-0.203	-1.88	3.360	-0.117	-1.42
SYXUEL		4.326	-0.013	-0.12	3.518	0.041	0.50
TRPERP		4.500	0.161	1.49	3.518	0.041	0.50
TSJ8CM		4.336	-0.003	-0.03	3.512	0.035	0.42
YP8DVX		4.460	0.121	1.12	3.580	0.103	1.25
YW9LFL	X	8.884	4.545	42.19	8.086	4.609	55.77
Z879BU		4.092	-0.247	-2.29	3.358	-0.119	-1.44

Summary Statistics			
Grand Means	4.3390	Percent	3.4770
			Percent
Std Dev Btwn Labs	0.1077	Percent	0.0826
			Percent
Statistics based on 41 of 46 reporting participants			

Sample C79: ABS/PC & Sample C80: ABS/PC

Comments on assigned Data Flags for Test #732

2G1J7F (X) - Data for both samples are low.

7UWNRW (X) - Inconsistent in testing between samples, data for Sample C80 are high.

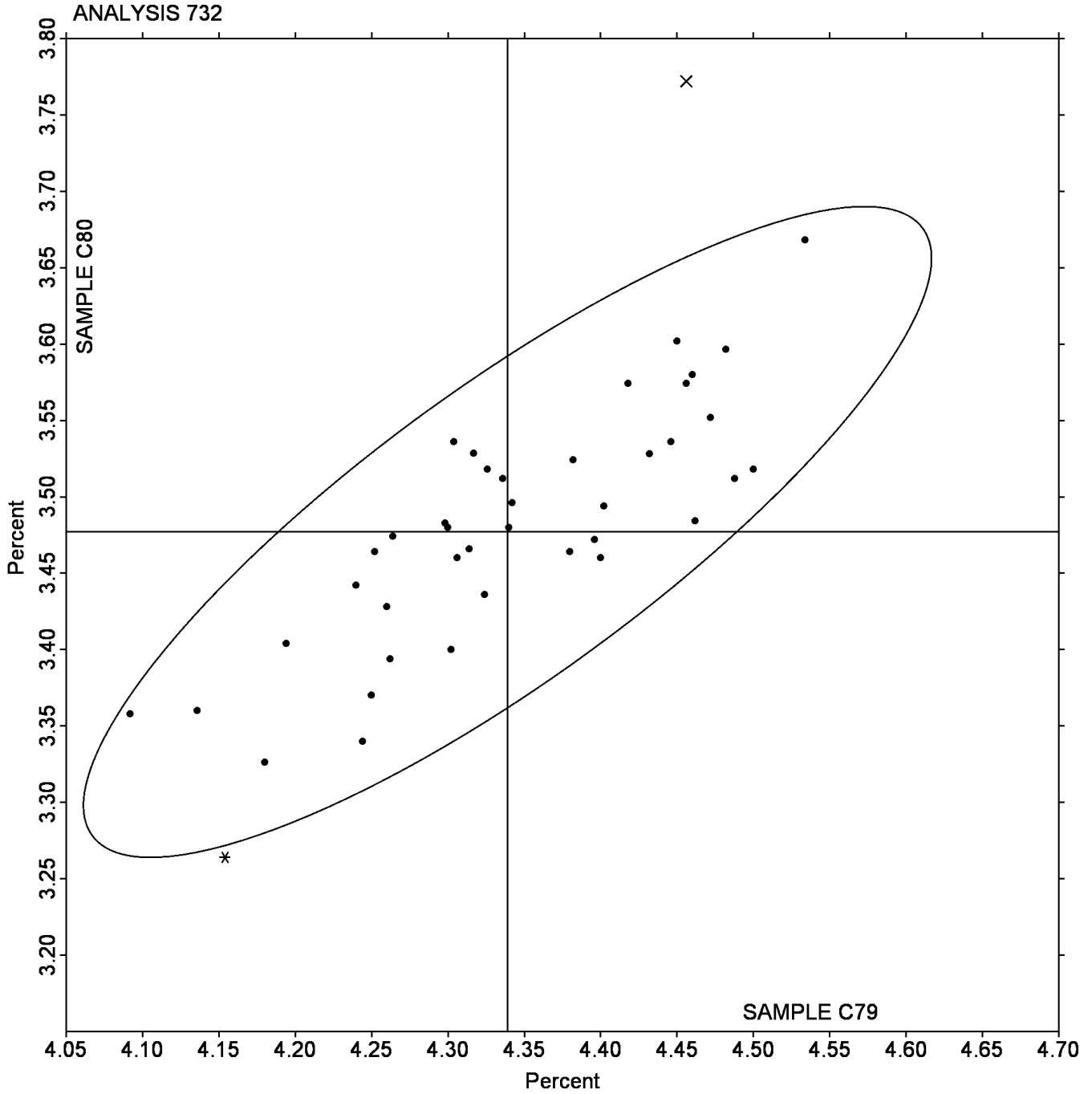
LRH7VG (X) - Data for both samples are low. Possible Systematic Error.

NZ7BEW (X) - Data for both samples are high. Possible Systematic Error.

YW9LFL (X) - Data for both samples are high.

Analysis 732
Percent Strain at Yield

Grand Mean Sample C79: 4.3390 Percent Grand Mean Sample C80: 3.4770 Percent



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

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
1TKRZG		2,757	34	0.28	2,844	3	0.03
1ZDB8S		2,662	-61	-0.50	2,802	-39	-0.35
3UYSBQ		2,866	143	1.18	2,895	54	0.48
3ZCT16		2,803	80	0.66	2,919	78	0.69
57FVTB		2,746	23	0.19	2,840	-1	-0.01
5WMEGG		2,477	-246	-2.02	2,641	-199	-1.77
7K1DTY	X	9	-2,714	-22.26	9	-2,831	-25.11
7TJGLZ		2,733	10	0.08	2,891	50	0.44
8LL2JY		2,729	6	0.05	2,843	2	0.02
AEJRFP		2,935	212	1.74	3,067	226	2.01
BJPAU3		2,641	-82	-0.67	2,708	-132	-1.17
BPT7EN		2,558	-165	-1.35	2,686	-155	-1.38
C2V32B		2,560	-163	-1.34	2,701	-140	-1.24
D6XQSA		2,819	95	0.78	2,879	39	0.34
EAUKLC		2,675	-48	-0.39	2,814	-27	-0.24
EB85DN	*	2,993	270	2.21	3,018	177	1.57
EWMHD2		2,657	-66	-0.54	2,745	-96	-0.85
FCDT2A		2,601	-122	-1.00	2,713	-128	-1.14
H953LE		2,602	-121	-1.00	2,805	-36	-0.32
J736KD		2,693	-30	-0.25	2,816	-24	-0.22
LVW961		2,689	-34	-0.28	2,773	-67	-0.60
LWPNE6		2,665	-58	-0.47	2,781	-59	-0.53
M6N6DC		2,613	-110	-0.90	2,752	-89	-0.79
PTNY63		2,675	-48	-0.40	2,805	-36	-0.32
QFYU7		2,686	-37	-0.31	2,790	-50	-0.45
TCUHVQ		2,581	-142	-1.17	2,747	-94	-0.83
TFBPAC		2,805	82	0.67	2,959	119	1.05
TXCQVX	*	3,019	296	2.42	3,146	305	2.70
UBZ1C2		2,584	-139	-1.14	2,710	-131	-1.16
UHEW5P		2,743	20	0.16	2,849	8	0.07
UR2ECE		2,756	33	0.27	2,808	-33	-0.29
UZ32GP		2,872	149	1.22	3,014	173	1.54

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C79			Sample C80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
V31U8D		2,720	-3	-0.03	2,834	-7	-0.06
V3QAW4	X	2,278	-445	-3.65	2,544	-297	-2.63
VNG7S9		2,609	-114	-0.94	2,731	-110	-0.97
VVVC5V		2,851	128	1.05	2,980	139	1.23
WQG1GT		2,855	132	1.08	2,979	139	1.23
WS7UEN		2,867	144	1.18	3,002	161	1.43
XRQCW9		2,686	-37	-0.31	2,799	-42	-0.37
Y48PJ4		2,731	8	0.06	2,858	17	0.15
YW49Q2		2,791	68	0.56	2,904	64	0.56
ZN7THB		2,619	-104	-0.86	2,784	-57	-0.50

Summary Statistics

Grand Means

2,723.1 MPa

2,840.9 MPa

Std Dev Btwn Labs

121.9 MPa

112.8 MPa

Statistics based on 40 of 42 reporting participants

Sample C79: ABS/PC & Sample C80: ABS/PC

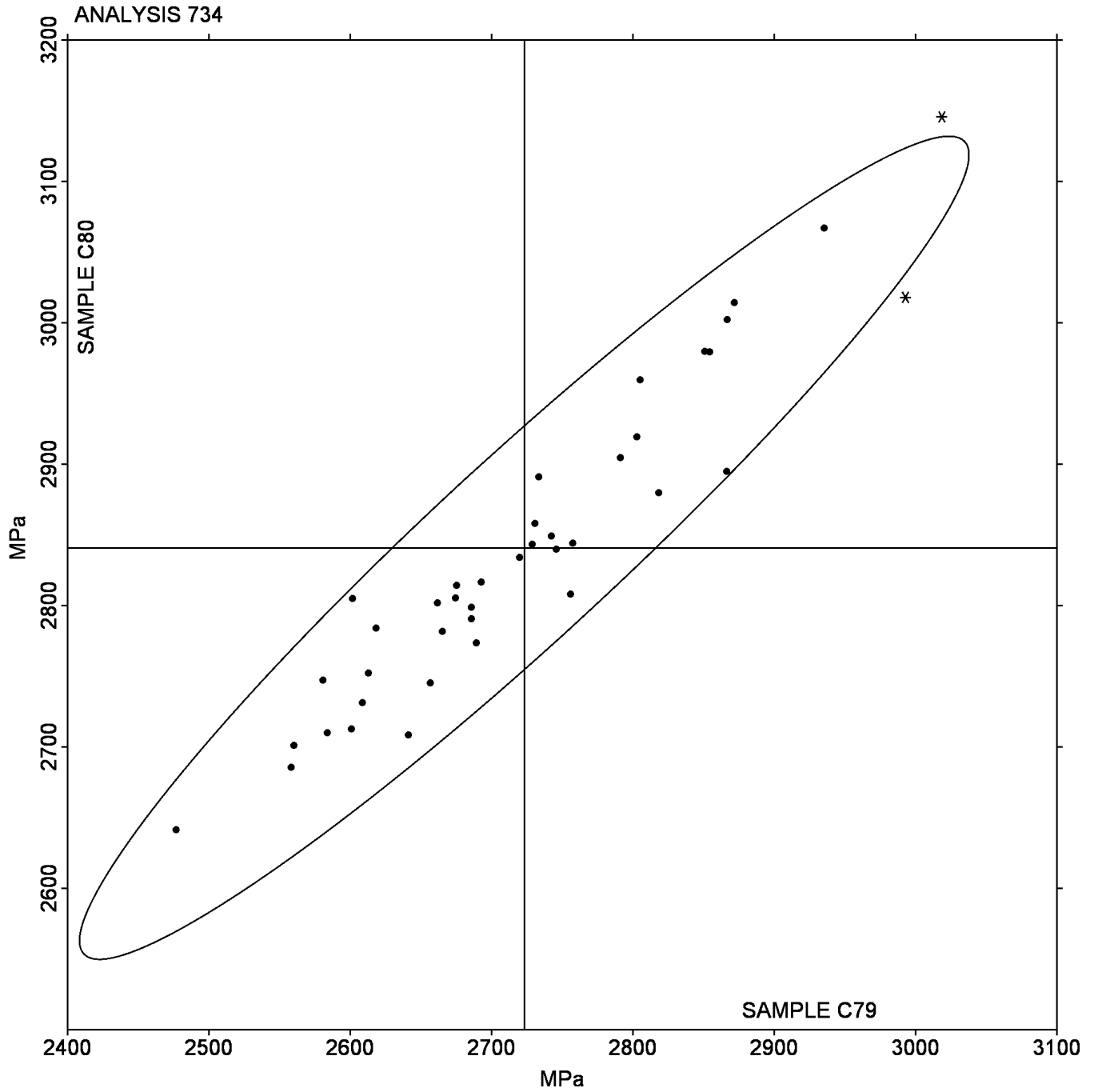
Comments on assigned Data Flags for Test #734

7K1DTY (X) - Extreme data.

V3QAW4 (X) - Inconsistent in testing between samples, data for Sample C79 are low.

Analysis 734
Modulus of Elasticity - MPa

Grand Mean Sample C79: 2,723.10 MPa Grand Mean Sample C80: 2,840.86 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 J79			Sample J80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
1EZJS8		334.0	2.1	0.14	334.2	2.3	0.15
1G3MNL	X	6,162.6	5,830.7	373.08	336.3	4.3	0.28
2LKUNP		356.7	24.8	1.59	359.0	27.1	1.75
2TVYEV	X	293.2	-38.7	-2.47	285.4	-46.5	-3.01
31KYUF		305.7	-26.1	-1.67	305.5	-26.5	-1.71
3QP5QP		322.5	-9.4	-0.60	318.8	-13.1	-0.85
411SDF		335.8	3.9	0.25	335.8	3.9	0.25
43YAZQ	X	309.3	-22.6	-1.44	294.0	-38.0	-2.45
4DFKLP		320.5	-11.4	-0.73	320.5	-11.4	-0.74
5G8ZBC		335.9	4.0	0.26	330.5	-1.5	-0.09
6GGQN6		342.7	10.8	0.69	341.5	9.5	0.61
72MD2N		360.0	28.1	1.80	359.8	27.8	1.80
73QVBN		335.6	3.8	0.24	336.6	4.7	0.30
7AX6CD		355.6	23.8	1.52	354.1	22.2	1.43
7DTYUA		337.2	5.3	0.34	341.8	9.9	0.64
894439		322.8	-9.1	-0.58	322.0	-10.0	-0.64
8HFVNZ		325.0	-6.9	-0.44	328.7	-3.2	-0.21
93E1GP		331.4	-0.5	-0.03	332.0	0.1	0.00
93Q4QG		330.0	-1.8	-0.12	333.8	1.8	0.12
A4RC5F		336.4	4.5	0.29	336.0	4.1	0.26
A5T8ZV		337.5	5.7	0.36	335.6	3.7	0.24
AVFTS2		334.5	2.7	0.17	332.8	0.9	0.06
AZYWU5	X	311.0	-20.9	-1.34	293.7	-38.2	-2.47
B1ZDVF		351.1	19.2	1.23	355.3	23.3	1.51
BEZ1FJ		338.5	6.6	0.42	338.5	6.6	0.42
CPKNT4		328.8	-3.1	-0.20	327.8	-4.2	-0.27
DDB2ZP		326.3	-5.5	-0.35	327.1	-4.8	-0.31
DR7P9B		344.5	12.6	0.81	344.0	12.0	0.78
E3B94P		336.2	4.3	0.28	333.7	1.8	0.12
GCQNVQ		321.8	-10.0	-0.64	325.0	-6.9	-0.45
GGGGRK		295.0	-36.9	-2.36	294.6	-37.3	-2.41
GTWB4Y		344.1	12.2	0.78	343.5	11.6	0.75

Plastics Interlaboratory Testing Program
Analysis 720
Flexural Modulus- ksi

WebCode	Data Flag	Sample J79			Sample J80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
H39HWD		334.5	2.7	0.17	333.2	1.3	0.08
HSG86R	*	379.8	47.9	3.07	377.8	45.9	2.96
HZFTCR		311.6	-20.3	-1.30	311.9	-20.0	-1.29
JFZJJY		319.7	-12.1	-0.78	319.6	-12.3	-0.80
JR5U5L		324.3	-7.6	-0.48	323.3	-8.7	-0.56
K5RB2D		335.9	4.0	0.25	337.0	5.0	0.32
KEHCQ9		302.3	-29.5	-1.89	303.7	-28.2	-1.82
KGY8Y7		333.4	1.5	0.09	334.2	2.3	0.15
KL7QSW	X	382.7	50.8	3.25	366.2	34.2	2.21
KQN5ED		358.0	26.1	1.67	355.2	23.3	1.50
LQGU3M		315.8	-16.0	-1.03	320.3	-11.6	-0.75
N3KA4H		328.1	-3.8	-0.24	327.6	-4.4	-0.28
NBJJCH		324.1	-7.7	-0.50	323.8	-8.2	-0.53
PJGL1E	X	326.7	-5.2	-0.33	335.8	3.8	0.25
PJNU85		316.6	-15.3	-0.98	313.0	-19.0	-1.22
RM3FEP		339.5	7.6	0.49	339.4	7.4	0.48
RUNBKY		299.8	-32.1	-2.05	298.4	-33.5	-2.16
S48VKP		347.9	16.0	1.03	347.1	15.2	0.98
S5YALM		330.5	-1.3	-0.09	330.6	-1.3	-0.08
SBLZA9		316.8	-15.1	-0.96	315.0	-16.9	-1.09
SK8MRD		322.5	-9.4	-0.60	327.9	-4.0	-0.26
SPS5EV		325.1	-6.8	-0.43	323.0	-8.9	-0.58
TJEGFK		337.0	5.1	0.33	336.1	4.2	0.27
U6SPDX		352.4	20.5	1.31	348.5	16.5	1.07
V1KCAF		305.8	-26.0	-1.67	307.1	-24.8	-1.60
W1HAE4		324.9	-7.0	-0.45	327.5	-4.4	-0.29
WZMG64		338.8	6.9	0.44	344.0	12.1	0.78
XMRSK3		345.1	13.2	0.85	345.1	13.1	0.85
XW7Z61	X	302.8	-29.1	-1.86	295.7	-36.3	-2.34
Y9V31C		320.4	-11.4	-0.73	321.9	-10.0	-0.65
Z2YF2W		332.8	0.9	0.06	333.0	1.1	0.07
Z7KKCY		349.8	18.0	1.15	349.6	17.7	1.14

Plastics Interlaboratory Testing Program
Analysis 720
Flexural Modulus- ksi

WebCode	Data Flag	Sample J79			Sample J80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
ZMSEW9		326.2	-5.7	-0.36	326.4	-5.6	-0.36
ZZ6QHQ	X	366.5	34.6	2.22	353.8	21.9	1.41
ZZSHSN		335.1	3.2	0.21	334.4	2.5	0.16

Summary Statistics

Grand Means

331.88 ksi

331.93 ksi

Std Dev Btwn Labs

15.63 ksi

15.48 ksi

Statistics based on 59 of 67 reporting participants

Sample J79: HIPS & Sample J80: HIPS

Comments on assigned Data Flags for Test #720

1G3MNL (X) - Extreme data for Sample J79.

2TVYEV (X) - Inconsistent in testing between samples, data for Sample J80 are low.

43YAZQ (X) - Inconsistent in testing between samples and inconsistent in testing within Sample J79.

AZYWU5 (X) - Inconsistent in testing between samples.

KL7QSW (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

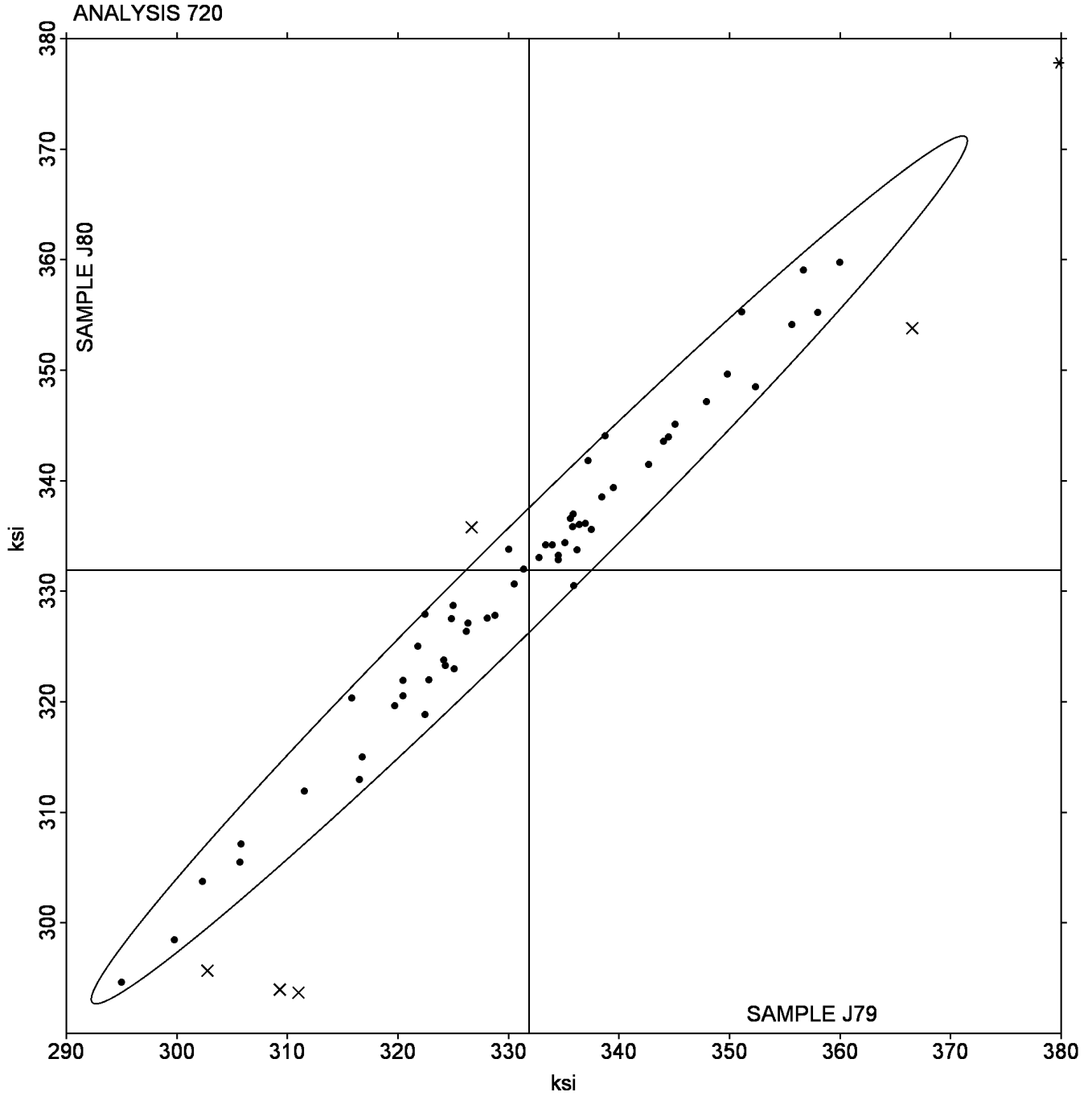
PJGL1E (X) - Inconsistent in testing between samples.

XW7Z61 (X) - Inconsistent in testing between samples.

ZZ6QHQ (X) - Inconsistent in testing between samples.

Analysis 720
Flexural Modulus- ksi

Grand Mean Sample J79: 331.88 ksi Grand Mean Sample J80: 331.93 ksi



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

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J79			Sample J80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
14GZ7D		6,511	-123	-0.50	6,552	-108	-0.44
1931AH		6,851	217	0.88	6,817	158	0.64
1SDWJK		6,656	22	0.09	6,620	-40	-0.16
1TG8VR		6,821	186	0.75	6,898	238	0.97
27TWY1		6,595	-39	-0.16	6,672	12	0.05
2TXQHK		6,384	-251	-1.01	6,435	-224	-0.92
4EAC63		6,552	-83	-0.33	6,591	-69	-0.28
5VUBRD		6,539	-95	-0.38	6,532	-128	-0.52
7ALXDY	X	6,058	-576	-2.33	6,325	-335	-1.37
7ZYVZH		6,646	12	0.05	6,674	14	0.06
8BJZ1M		6,386	-248	-1.00	6,461	-199	-0.82
A2BLRY		7,226	592	2.39	7,242	582	2.38
A4VBAF		6,915	280	1.13	6,914	254	1.04
B5T9PM	X	5,422	-1,213	-4.90	6,996	336	1.37
BRTLHE		6,442	-193	-0.78	6,554	-106	-0.43
DLEG3B	X	7,666	1,032	4.17	7,755	1,096	4.48
DN4UQ8		6,857	222	0.90	6,884	225	0.92
EG188X	*	6,318	-317	-1.28	6,444	-216	-0.88
EY2PEQ		6,643	8	0.03	6,620	-40	-0.16
EZCY8P		6,627	-7	-0.03	6,605	-55	-0.22
FNXW94	*	7,191	557	2.25	7,281	622	2.54
H2NMVR		6,483	-152	-0.61	6,548	-112	-0.46
JLEKVN		6,561	-73	-0.30	6,535	-125	-0.51
K6JB2F		6,675	40	0.16	6,733	73	0.30
LAXCT6	*	6,000	-634	-2.56	6,000	-660	-2.70
LDWMW9		6,608	-26	-0.11	6,584	-76	-0.31
M5Z39R		6,563	-72	-0.29	6,623	-37	-0.15
NJ483P		6,700	66	0.27	6,671	11	0.05
NU25SJ		6,213	-422	-1.70	6,219	-441	-1.81
NWJ12H		6,632	-2	-0.01	6,685	25	0.10
P4541A		6,747	113	0.46	6,765	106	0.43
Q1LZCJ		6,788	153	0.62	6,788	128	0.52

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J79			Sample J80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
QHWD29	X	5,195	-1,439	-5.82	4,995	-1,665	-6.81
QQ8MGP		6,838	203	0.82	6,830	171	0.70
QRU249		6,612	-22	-0.09	6,604	-55	-0.23
RLAKU3		6,672	38	0.15	6,647	-13	-0.05
S823P4		6,544	-90	-0.37	6,550	-110	-0.45
SX2EPU		6,524	-110	-0.45	6,604	-56	-0.23
T2RASE		6,966	332	1.34	6,979	319	1.30
T8ZKKV		7,203	568	2.30	7,216	556	2.28
THELDG		6,506	-128	-0.52	6,547	-113	-0.46
TWJPCH		6,526	-109	-0.44	6,559	-101	-0.41
X1CWEE		6,578	-57	-0.23	6,591	-69	-0.28
XUNCV1		6,452	-182	-0.74	6,496	-164	-0.67
Y25RLH	X	7,420	785	3.17	7,309	649	2.66
YCV6UK		6,572	-63	-0.25	6,510	-150	-0.61
Z752T1		6,876	242	0.98	6,906	246	1.01
Z9ML2B		6,375	-260	-1.05	6,429	-231	-0.94
ZKNC1J		6,887	252	1.02	6,932	272	1.11
ZXVWFA		6,291	-343	-1.39	6,347	-313	-1.28

Summary Statistics	
Grand Means	6,634.5 psi 6,659.9 psi
Stnd Dev Btwn Labs	247.5 psi 244.4 psi
Statistics based on 45 of 50 reporting participants	

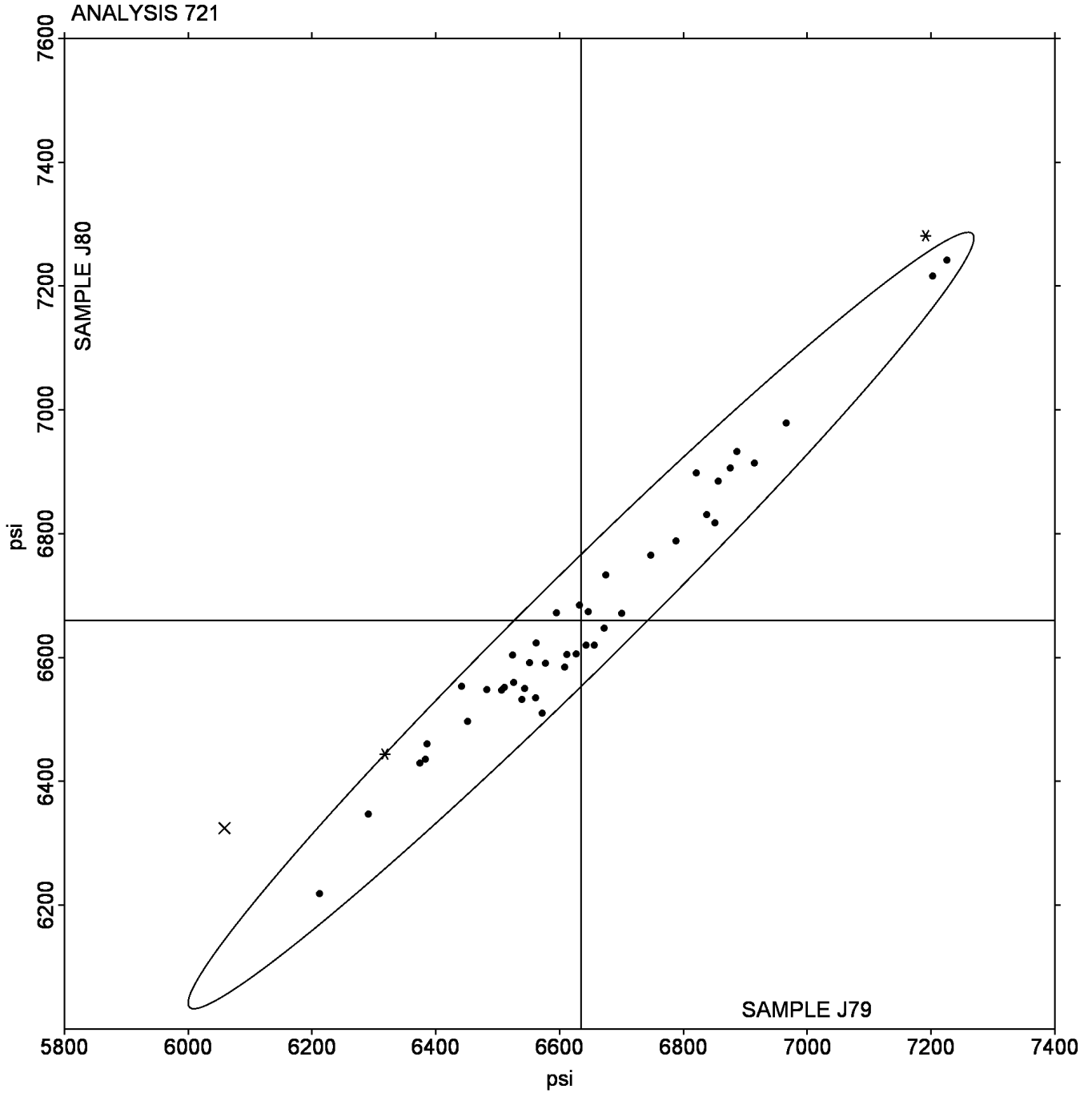
Sample J79: HIPS & Sample J80: HIPS

Comments on assigned Data Flags for Test #721

- 7ALXDY (X) - Inconsistent in testing between samples.
- B5T9PM (X) - Inconsistent in testing between samples, data for Sample J79 are low. Also inconsistent in testing within Sample J79.
- DLEG3B (X) - Data for noth samples are high. Possible Systematic Error.
- QHWD29 (X) - Data for both samples are low.
- Y25RLH (X) - Inconsistent in testing between samples, data for Sample J79 are high. Inconsistent in testing within both sample sets.

Analysis 721
Flexural Stress at 5% Strain - psi

Grand Mean Sample J79: 6,634.46 psi Grand Mean Sample J80: 6,659.88 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 J79			Sample J80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
1ML56M		6,930	302	1.41	6,924	279	1.35
1U5H51		6,576	-52	-0.24	6,672	28	0.14
29MZ8F		6,559	-69	-0.32	6,563	-81	-0.39
2F64YV		6,304	-324	-1.52	6,320	-324	-1.57
2ZR318		6,530	-98	-0.46	6,570	-74	-0.36
38FAY5		7,019	391	1.83	7,021	376	1.82
42HV8N	X	7,669	1,041	4.87	7,868	1,224	5.91
4DSDZS		6,701	73	0.34	6,672	27	0.13
4GP227		6,416	-212	-0.99	6,467	-178	-0.86
4PCLV1	X	6,092	-536	-2.51	6,353	-291	-1.41
4QESH8		6,743	115	0.54	6,728	83	0.40
5A31JE	X	7,219	591	2.77	7,305	661	3.19
5V9W8G		6,417	-211	-0.99	6,462	-183	-0.88
6YLTWX		6,369	-259	-1.21	6,453	-191	-0.92
78PPTE		6,620	-8	-0.04	6,668	24	0.11
7VM716		6,633	5	0.02	6,657	12	0.06
81G24C		6,655	27	0.13	6,619	-26	-0.12
B679QX		6,526	-102	-0.48	6,602	-42	-0.20
BKJWS1		6,578	-50	-0.23	6,634	-10	-0.05
BTN6PC	*	6,000	-628	-2.94	6,000	-644	-3.11
BU9XEV		6,606	-22	-0.10	6,568	-76	-0.37
BV723S		6,669	41	0.19	6,719	74	0.36
CA2YWM		6,689	61	0.29	6,739	94	0.45
CEQ7N2		6,609	-19	-0.09	6,615	-29	-0.14
DNZBLH		6,890	262	1.23	6,899	254	1.23
EE6H36		6,713	85	0.40	6,724	80	0.38
EJ8DW9	*	7,235	607	2.84	7,252	608	2.94
F74UHJ		6,888	260	1.22	6,914	270	1.30
GNB965		6,535	-93	-0.43	6,622	-23	-0.11
HA7XXE		6,518	-110	-0.51	6,555	-89	-0.43
JQ9EUA		6,487	-141	-0.66	6,472	-172	-0.83
JTZA1G		7,009	381	1.78	7,032	388	1.87

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J79			Sample J80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
KF861C		6,630	2	0.01	6,618	-27	-0.13
LAQ5K7		6,328	-300	-1.40	6,332	-313	-1.51
M3SZ2N		6,398	-230	-1.08	6,425	-219	-1.06
NGC61G		6,718	90	0.42	6,683	39	0.19
NM5957		6,448	-180	-0.84	6,488	-157	-0.76
NYCQUP	*	6,435	-193	-0.90	6,570	-74	-0.36
PAJ3B3		6,513	-115	-0.54	6,494	-150	-0.73
PSZB4B	X	5,501	-1,127	-5.27	7,145	501	2.42
QBBCUL		6,595	-33	-0.16	6,601	-44	-0.21
QN4RXM		6,839	211	0.99	6,841	197	0.95
QPH6HG		6,620	-8	-0.04	6,658	13	0.06
TKHUQZ		6,575	-53	-0.25	6,540	-104	-0.50
TT58ZX		6,644	16	0.07	6,606	-39	-0.19
V4N24Q		6,770	142	0.67	6,807	163	0.79
V5Q7R5		6,721	93	0.43	6,674	30	0.14
VHZT7G		6,612	-16	-0.08	6,664	20	0.10
WX5ZT7	X	334	-6,294	-29.46	6,170	-474	-2.29
WYV99M		6,830	202	0.95	6,812	168	0.81
X65K1M		6,684	56	0.26	6,642	-3	-0.01
XF1CWL		6,832	204	0.95	6,774	129	0.63
YRVA64		6,636	8	0.04	6,690	46	0.22
ZR3QMH	X	8,390	1,762	8.25	8,004	1,360	6.57
ZSUPNA		6,274	-354	-1.66	6,285	-359	-1.74
ZT1WCL		6,874	246	1.15	6,873	229	1.11

Summary Statistics

Grand Means

6,628.0 psi

6,644.4 psi

Std Dev Btwn Labs

213.7 psi

206.9 psi

Statistics based on 50 of 56 reporting participants

Sample J79: HIPS & Sample J80: HIPS

Analysis 722

Flexural Stress at Yield - psi

Comments on assigned Data Flags for Test #722

42HV8N (X) - Data for both samples are high.

4PCLV1 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample J79.

5A31JE (X) - Data for both samples are high. Possible Systematic Error.

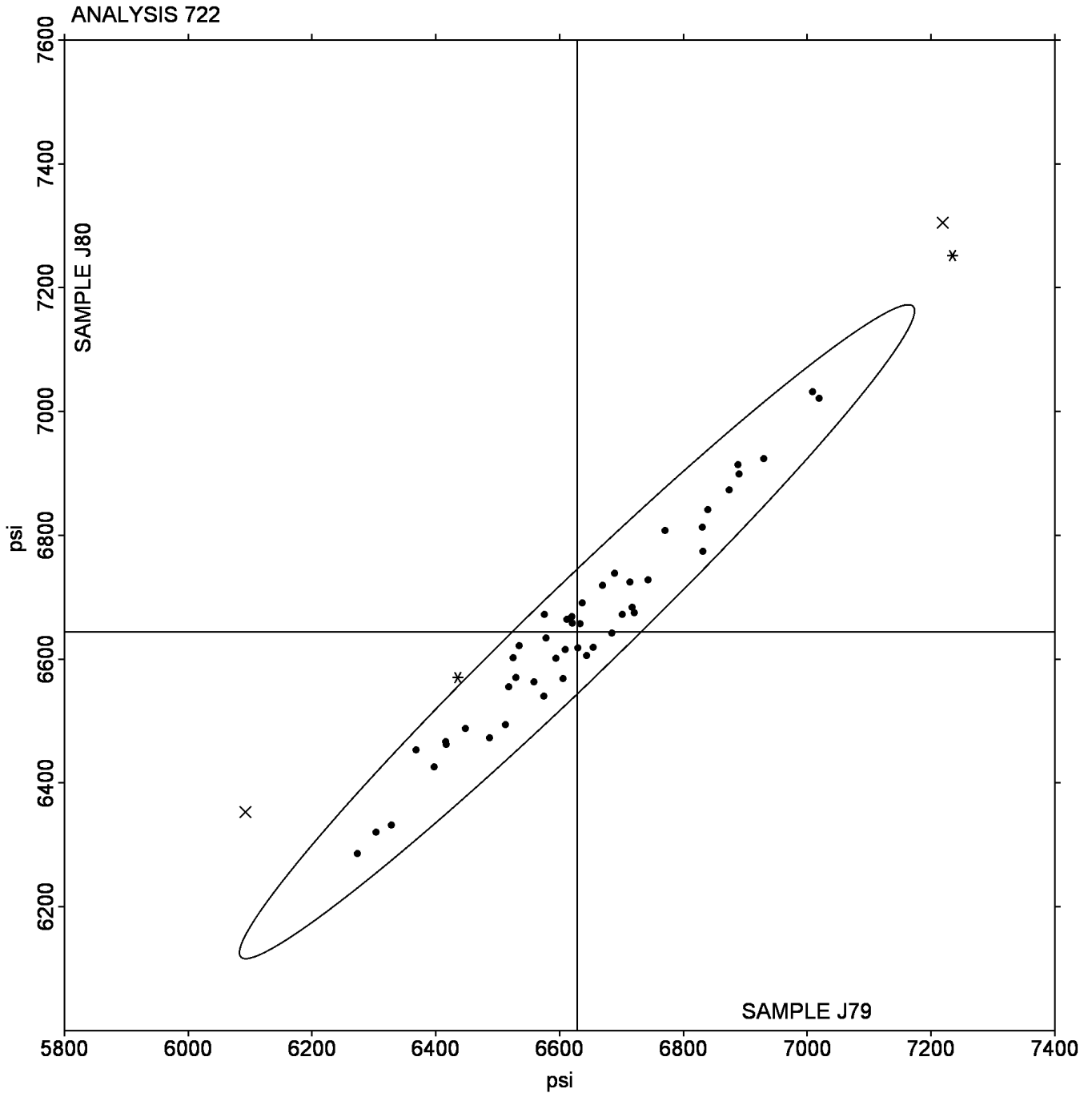
PSZB4B (X) - Inconsistent in testing between samples, data for Sample J79 are low. Also inconsistent in testing within Sample J79.

WX5ZT7 (X) - Extreme data for Sample J79.

ZR3QMH (X) - Data for both samples are high. Possible Systematic Error.

Analysis 722
Flexural Stress at Yield - psi

Grand Mean Sample J79: 6,628.01 psi Grand Mean Sample J80: 6,644.41 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 K79			Sample K80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
18TQS8		2,718	11	0.15	2,902	63	0.71
1SR1NN		2,764	57	0.82	2,887	48	0.55
2HBWPN		2,702	-4	-0.06	2,839	0	0.00
3E3PRX		2,615	-92	-1.31	2,727	-112	-1.28
41G1GP		2,779	72	1.03	2,950	111	1.27
4BDY5D		2,625	-81	-1.16	2,704	-136	-1.55
58ZQRA		2,703	-4	-0.06	2,812	-27	-0.31
5ZDQ12		2,743	36	0.51	2,886	46	0.53
7653HE		2,776	69	0.98	2,881	41	0.47
9CSDZF		2,678	-29	-0.41	2,799	-40	-0.46
9RY9V1		2,555	-152	-2.17	2,649	-190	-2.17
C15DZP	X	2,206	-501	-7.16	2,122	-717	-8.19
C5KWBA		2,805	98	1.41	2,974	134	1.53
E54ABE		2,670	-37	-0.52	2,761	-79	-0.90
E864B5	*	2,611	-96	-1.38	2,807	-32	-0.37
GKQXFW		2,589	-118	-1.69	2,654	-185	-2.11
GV5V4E		2,676	-31	-0.44	2,800	-39	-0.45
GX6K19		2,649	-58	-0.82	2,731	-108	-1.23
HQ1A7L		2,608	-99	-1.41	2,796	-43	-0.49
HVLYER		2,758	51	0.73	2,874	35	0.39
J1TJAM		2,694	-13	-0.18	2,816	-23	-0.27
JWGVBB		2,720	13	0.19	2,930	91	1.04
JZZMZM		2,666	-41	-0.59	2,782	-58	-0.66
KS2RXP		2,670	-37	-0.53	2,797	-42	-0.48
KWMBNW		2,672	-34	-0.49	2,801	-38	-0.43
L8XW2V		2,614	-93	-1.33	2,769	-71	-0.81
LCM5R4		2,685	-22	-0.31	2,801	-39	-0.44
MMREXT		2,611	-95	-1.36	2,747	-93	-1.06
MVED87	X	2,905	198	2.83	2,857	18	0.20
RMJ5EQ		2,770	63	0.90	2,890	51	0.58
RNB3MY		2,658	-49	-0.70	2,708	-131	-1.50
RQBX27		2,769	62	0.89	2,868	29	0.33

Plastics Interlaboratory Testing Program
Analysis 736
Flexural Modulus - MPa

WebCode	Data Flag	Sample K79			Sample K80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
S2JG4U		2,749	43	0.61	2,889	49	0.56
SQKXC2	*	2,757	50	0.71	2,989	150	1.71
SRVTWR		2,823	117	1.67	2,969	130	1.49
TYW7LD		2,776	69	0.99	2,938	99	1.13
U1NR6P		2,726	19	0.27	2,831	-8	-0.10
U1XRSM		2,732	25	0.36	2,872	33	0.38
UJG9D5		2,865	158	2.26	2,980	141	1.61
UWSG5X		2,736	29	0.42	2,863	23	0.27
W3ZGZD		2,794	87	1.25	2,934	95	1.09
WCE6TA		2,772	65	0.93	2,946	106	1.21
WFH443		2,694	-13	-0.18	2,850	11	0.12
WQB5WG		2,744	37	0.53	2,839	0	0.00
WQSLT3		2,582	-125	-1.79	2,683	-156	-1.79
WRZEB3		2,749	42	0.60	2,903	64	0.73
Y1YBB2		2,764	57	0.82	2,904	65	0.74
Y94AXW		2,748	41	0.59	2,918	79	0.90
ZHDEGA		2,657	-49	-0.71	2,797	-42	-0.48

Summary Statistics

Grand Means

2,706.8 MPa

2,839.3 MPa

Std Dev Btwn Labs

70.0 MPa

87.6 MPa

Statistics based on 47 of 49 reporting participants

Sample K79: ABS/PC & Sample K80: ABS/PC

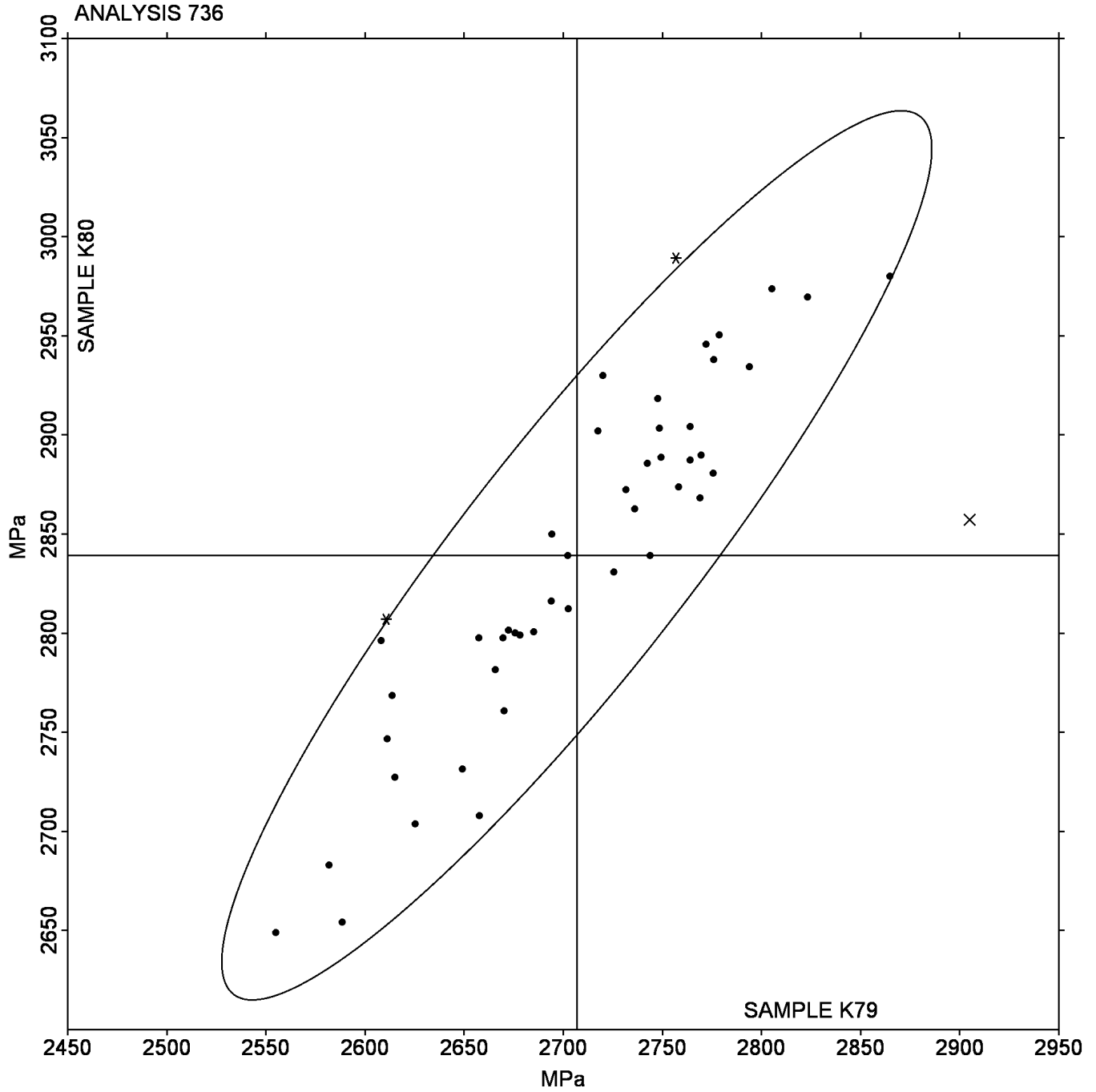
Comments on assigned Data Flags for Test #736

C15DZP (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

MVED87 (X) - Data for Sample K79 are high. Also inconsistent in testing within Sample K80.

Analysis 736
Flexural Modulus - MPa

Grand Mean Sample K79: 2,706.80 MPa Grand Mean Sample K80: 2,839.28 MPa



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

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K79			Sample K80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
43Q1LW		85.58	-0.85	-0.55	89.70	-0.69	-0.41
4B4VTB		86.60	0.17	0.11	90.15	-0.24	-0.14
4WG94U		86.26	-0.18	-0.12	90.16	-0.24	-0.14
51H224		85.26	-1.17	-0.75	88.71	-1.68	-0.99
7EYNVM		85.70	-0.74	-0.47	89.14	-1.25	-0.73
8HTY26		83.38	-3.05	-1.96	87.24	-3.15	-1.85
8K8S6S	X	85.24	-1.20	-0.77	86.76	-3.63	-2.13
8ULMPB		86.56	0.12	0.08	90.72	0.33	0.19
9P3EPZ		85.09	-1.35	-0.87	89.40	-1.00	-0.58
9U8347		88.40	1.97	1.26	92.58	2.18	1.28
A1QCZG		87.72	1.29	0.82	91.57	1.18	0.69
A8FNRR		86.92	0.48	0.31	90.70	0.31	0.18
B2LPFN		85.66	-0.78	-0.50	90.35	-0.05	-0.03
B4VNPC		89.10	2.67	1.71	92.60	2.21	1.29
C64HEF		86.32	-0.12	-0.07	90.23	-0.16	-0.10
CAKHHF	X	89.81	3.38	2.17	89.17	-1.22	-0.71
DPFQVD	X	82.92	-3.51	-2.26	90.22	-0.17	-0.10
DUSDTP		85.40	-1.03	-0.66	89.50	-0.89	-0.52
E18J53		86.27	-0.17	-0.11	90.66	0.27	0.16
G294T2		86.70	0.27	0.17	91.36	0.97	0.57
GYPYUJ		84.33	-2.11	-1.35	88.05	-2.35	-1.37
HAEZ5Y		83.43	-3.00	-1.93	86.89	-3.50	-2.05
HVFH67		86.44	0.01	0.00	90.45	0.06	0.03
KM9CQL		84.08	-2.36	-1.51	87.71	-2.69	-1.57
LWCSBM		87.60	1.16	0.75	91.82	1.43	0.84
M9EB9A		88.12	1.68	1.08	91.43	1.04	0.61
NX89WT		84.89	-1.55	-0.99	88.88	-1.52	-0.89
PVTF7J		86.57	0.13	0.09	90.54	0.15	0.09
PVZ36R		87.36	0.92	0.59	90.30	-0.09	-0.05
QDMJJD		86.54	0.11	0.07	91.12	0.73	0.43
RLC7KZ		89.12	2.68	1.72	93.12	2.72	1.59
RQQV6J		88.90	2.47	1.58	92.78	2.39	1.40

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K79			Sample K80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
S92YTU		86.73	0.30	0.19	90.99	0.60	0.35
S96TEV		84.55	-1.89	-1.21	88.44	-1.95	-1.14
TUP6VP		86.67	0.23	0.15	90.85	0.46	0.27
U7HUXE		86.11	-0.32	-0.21	89.56	-0.83	-0.49
UHAD1Y	*	89.40	2.97	1.90	94.60	4.21	2.46
X3KTJQ		85.58	-0.85	-0.55	88.60	-1.79	-1.05
X5ZETJ		85.09	-1.35	-0.87	89.32	-1.08	-0.63
XJDEAM		88.81	2.38	1.53	92.43	2.04	1.19
XW5477		87.32	0.89	0.57	92.28	1.88	1.10
ZREXNL	X	81.46	-4.97	-3.19	83.61	-6.79	-3.97

Summary Statistics

Grand Means

86.435 MPa

90.393 MPa

Std Dev Btwn Labs

1.559 MPa

1.708 MPa

Statistics based on 38 of 42 reporting participants

Sample K79: ABS/PC & Sample K80: ABS/PC

Comments on assigned Data Flags for Test #737

8K8S6S (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

CAKHHF (X) - Inconsistent in testing between samples and inconsistent in testing within Sample K80.

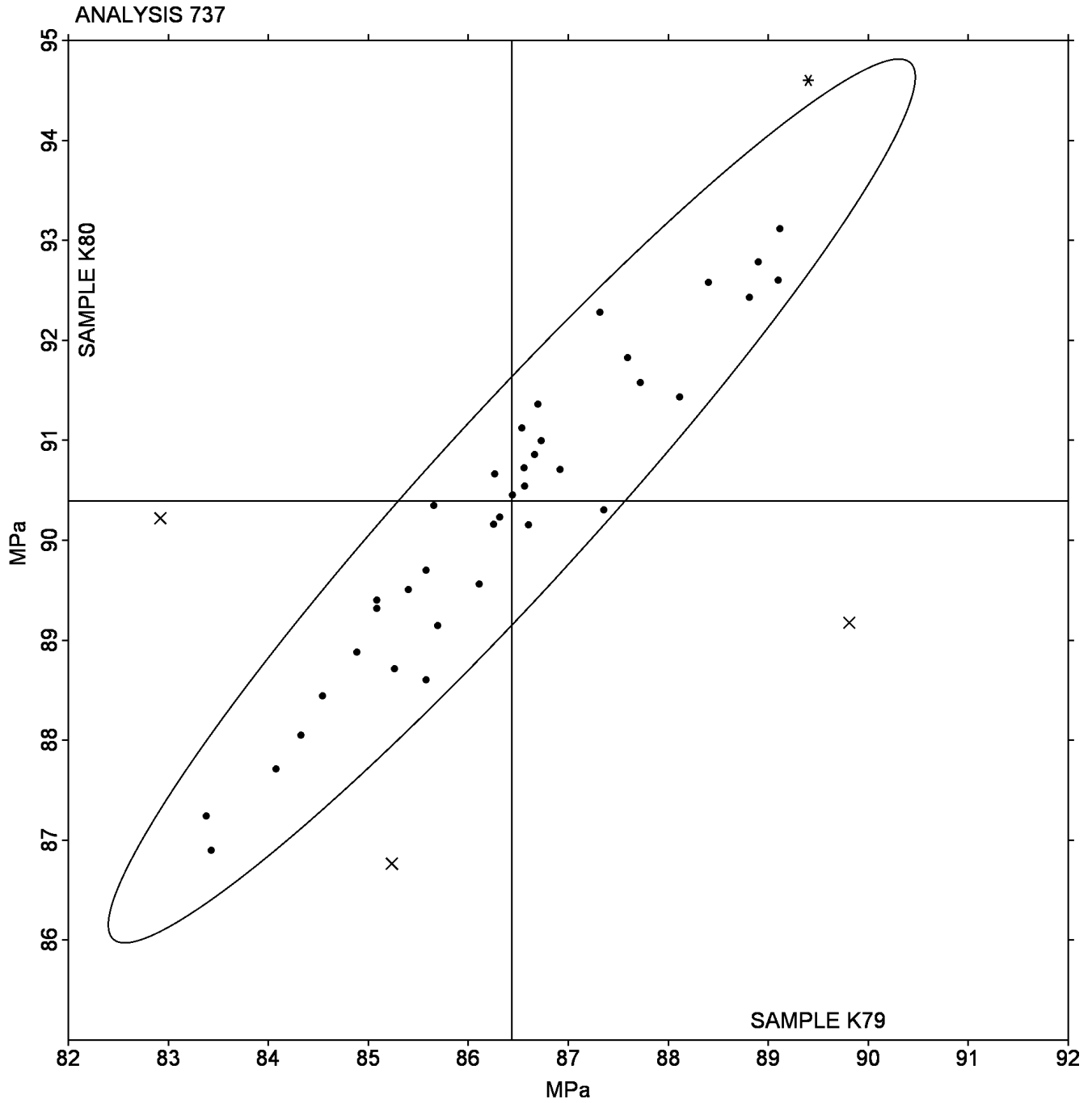
DPFQVD (X) - Inconsistent in testing between samples and inconsistent in testing within Sample K80.

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

Analysis 737

Flexural Stress at 3.5% Strain - MPa

Grand Mean Sample K79: 86.435 MPa Grand Mean Sample K80: 90.393 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 K79			Sample K80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
27122S		98.36	1.03	0.18	96.44	-0.30	-0.09
29H66F		98.43	1.10	0.19	97.15	0.42	0.13
3LSDX7		102.17	4.84	0.85	99.69	2.95	0.89
3N4L6E		98.68	1.34	0.24	97.11	0.38	0.11
5CWCD1		102.72	5.38	0.95	101.41	4.67	1.42
5SP1LX		97.52	0.19	0.03	96.76	0.02	0.01
5YHU7K		101.98	4.65	0.82	101.24	4.50	1.36
63M2TZ		100.06	2.73	0.48	98.12	1.39	0.42
8HAXAV		97.45	0.11	0.02	95.56	-1.18	-0.36
8Y8YDP		86.30	-11.03	-1.94	92.11	-4.62	-1.40
A6933R		102.03	4.69	0.82	99.09	2.36	0.71
B6M7U8		99.56	2.22	0.39	99.69	2.95	0.90
CN34SN		97.67	0.34	0.06	95.22	-1.51	-0.46
D8CYH6	X	81.50	-15.84	-2.78	83.65	-13.08	-3.96
D8VCY9		99.28	1.95	0.34	96.48	-0.26	-0.08
DA8RX4		99.72	2.38	0.42	98.10	1.36	0.41
E2P35L		100.96	3.63	0.64	98.64	1.90	0.58
FZYE45		97.89	0.56	0.10	96.25	-0.49	-0.15
G2VUTK		98.95	1.62	0.28	97.67	0.94	0.28
GN7WJ9		83.39	-13.95	-2.45	88.35	-8.38	-2.54
KQHCAL		98.44	1.11	0.19	97.37	0.63	0.19
L41U3W		99.90	2.57	0.45	98.84	2.10	0.64
L8JYWW		99.68	2.34	0.41	97.76	1.02	0.31
M53QMS		97.90	0.57	0.10	96.28	-0.46	-0.14
M5RHMA		97.42	0.09	0.02	95.64	-1.09	-0.33
NX9SU9		101.82	4.49	0.79	98.85	2.12	0.64
P28QA1		102.19	4.85	0.85	98.83	2.09	0.63
Q4B3BX		103.92	6.58	1.16	101.85	5.11	1.55
QXRKY4		94.95	-2.39	-0.42	93.24	-3.50	-1.06
RD7D76		85.40	-11.93	-2.10	90.60	-6.14	-1.86
RNELRM	X	28.42	-68.91	-12.11	28.13	-68.60	-20.78
S35HCW		99.89	2.56	0.45	98.29	1.55	0.47

Plastics Interlaboratory Testing Program
Analysis 738
Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K79			Sample K80		
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
SBPHEZ	*	82.92	-14.41	-2.53	90.22	-6.52	-1.97
SVU4YX		97.88	0.54	0.10	96.53	-0.21	-0.06
SZ633D		98.65	1.32	0.23	96.71	-0.02	-0.01
THWSPB		101.44	4.10	0.72	100.29	3.56	1.08
U4TG2Q		87.93	-9.41	-1.65	91.87	-4.87	-1.47
WDLEBN		101.67	4.33	0.76	100.27	3.54	1.07
YM3UXJ		86.27	-11.07	-1.94	90.66	-6.07	-1.84

Summary Statistics

Grand Means

97.334 MPa

96.735 MPa

Std Dev Btwn Labs

5.691 MPa

3.301 MPa

Statistics based on 37 of 39 reporting participants

Sample K79: ABS/PC & Sample K80: ABS/PC

Comments on assigned Data Flags for Test #738

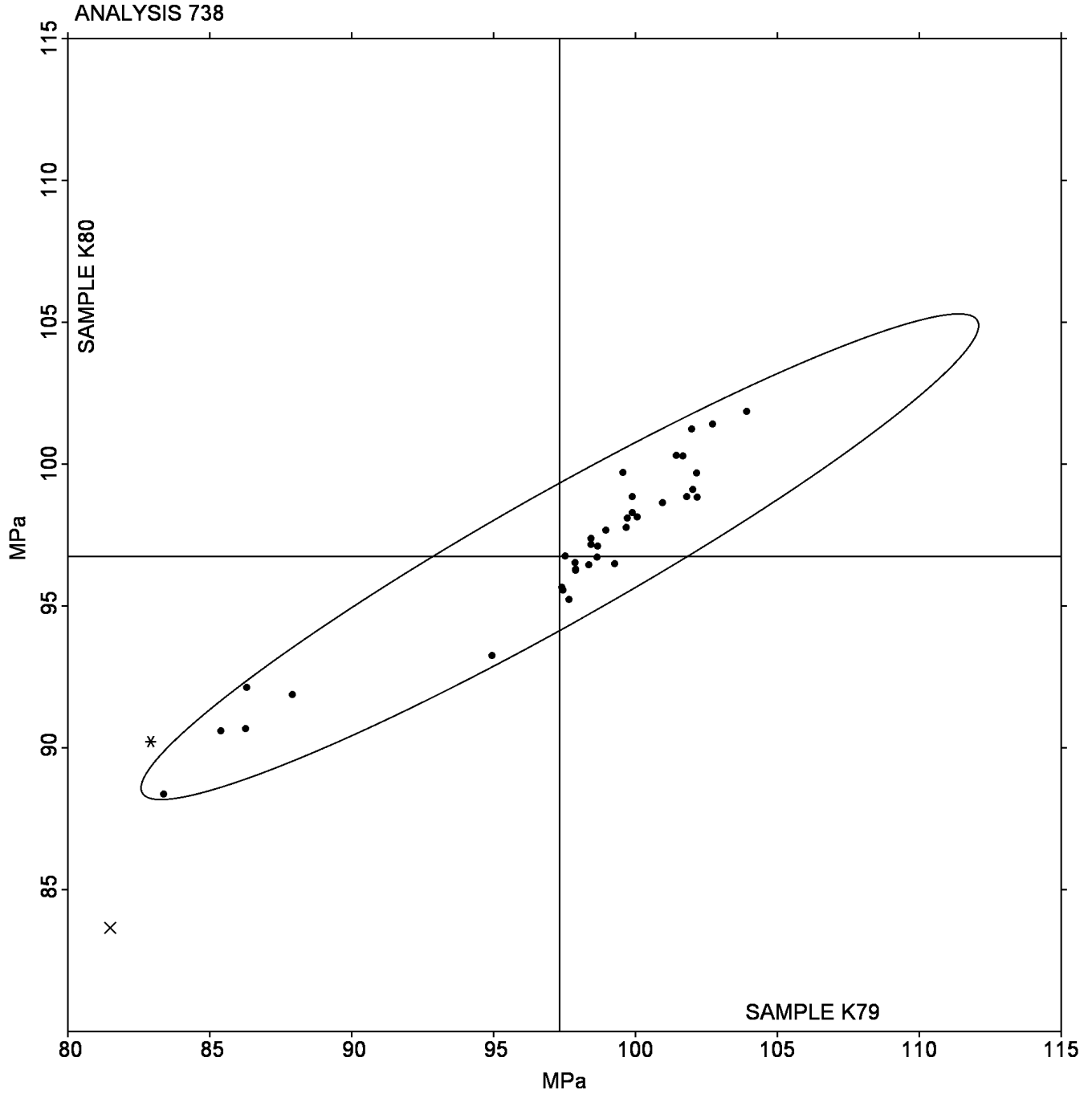
D8CYH6 (X) - Data for both samples are low. Also inconsistent in testing within both sample sets.

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

Analysis 738

Flexural Stress at Yield - MPa

Grand Mean Sample K79: 97.334 MPa Grand Mean Sample K80: 96.735 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

WebCode	Data Flag	Sample S79			Sample S80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
11AMJK		11.44	-0.30	-0.41	13.76	0.16	0.19	TM
1XN7G6		12.16	0.42	0.58	13.82	0.22	0.26	TM
1ZCGPL		11.35	-0.39	-0.54	12.94	-0.66	-0.80	TO
258WC6		11.76	0.02	0.03	14.26	0.66	0.80	TM
2UPZBL		12.16	0.42	0.58	14.02	0.41	0.50	TM
3EBNP1		11.58	-0.16	-0.23	13.52	-0.08	-0.10	TO
3U5F5T		11.30	-0.45	-0.62	12.27	-1.33	-1.61	TM
3W1CXG		11.25	-0.49	-0.68	12.88	-0.72	-0.87	TM
442W5W		12.43	0.69	0.96	14.43	0.82	1.00	XX
49QGV6	X	10.73	-1.01	-1.40	14.38	0.77	0.94	TO
55PZRA		11.62	-0.12	-0.16	13.76	0.15	0.18	TM
5BC2AE		12.45	0.71	0.98	14.84	1.24	1.50	XX
5GENUW		11.74	0.00	0.00	13.87	0.26	0.32	CE
5MYDZ4		11.29	-0.45	-0.63	13.43	-0.17	-0.21	TO
7DT2FY		11.41	-0.33	-0.45	12.85	-0.75	-0.91	TO
7HA94C	X	1.35	-10.39	-14.39	1.62	-11.98	-14.52	TO
7MR5ZX		12.62	0.88	1.22	14.80	1.20	1.45	XX
7UC12X		10.34	-1.40	-1.93	12.04	-1.57	-1.90	TM
8SVYB5		12.37	0.63	0.87	14.47	0.87	1.05	TM
8SYTAB	X	13.57	1.83	2.54	13.89	0.28	0.34	TO
96YX3U		11.55	-0.19	-0.26	13.11	-0.50	-0.60	CE
9LNA4W		12.05	0.31	0.43	14.20	0.60	0.73	BA
9ULPLV		12.16	0.42	0.59	13.88	0.27	0.33	TO
ADY855	X	1.41	-10.33	-14.30	1.68	-11.93	-14.45	TO
AK8SQH		12.46	0.72	1.00	14.68	1.07	1.30	TO
AYJZ93	X	9.54	-2.20	-3.05	10.67	-2.93	-3.55	TM
BC814C		12.05	0.31	0.43	12.90	-0.71	-0.85	TO
BGPD1T		10.50	-1.24	-1.72	12.26	-1.34	-1.62	CE
BM4UN5		11.62	-0.12	-0.17	13.86	0.26	0.31	CE
BUL7XQ		10.29	-1.45	-2.01	12.25	-1.36	-1.64	WY
C4STQK		12.80	1.06	1.46	14.51	0.91	1.10	TO
C5BK4M		12.38	0.64	0.89	13.60	-0.01	-0.01	TM

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S79			Sample S80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
C78W91		12.56	0.82	1.14	14.37	0.76	0.92	XX
CH4MM2	*	10.87	-0.87	-1.20	13.95	0.35	0.42	XX
CKQXGR		10.57	-1.17	-1.63	12.42	-1.19	-1.44	CS
D4F96B		11.39	-0.35	-0.48	13.89	0.28	0.34	TM
D6HD9K		11.43	-0.32	-0.44	13.28	-0.33	-0.39	WZ
DSNNV4		11.81	0.07	0.09	14.71	1.10	1.34	XX
EF3Z13		11.15	-0.59	-0.82	12.79	-0.81	-0.98	TM
ELGD2F		10.58	-1.16	-1.60	13.14	-0.47	-0.56	CE
EYZEBX		12.70	0.96	1.33	14.62	1.02	1.23	CE
G97V68		11.22	-0.52	-0.72	13.26	-0.35	-0.42	TO
GRSL3M		12.02	0.28	0.39	13.49	-0.11	-0.13	TO
GUJ69D		12.52	0.78	1.08	14.28	0.68	0.82	TO
HDU21Q		11.57	-0.17	-0.24	13.65	0.05	0.06	TY
HK9DQ5		12.48	0.74	1.03	14.54	0.94	1.14	TO
HLEQNL	X	5.30	-6.44	-8.92	6.22	-7.39	-8.95	TO
HNAQ5N		11.77	0.03	0.04	13.70	0.09	0.11	TO
HSDBD2	X	1.24	-10.50	-14.54	1.42	-12.18	-14.76	TO
JWZMLV		13.25	1.51	2.09	15.40	1.80	2.18	TO
JXSPEQ		11.16	-0.59	-0.81	13.82	0.22	0.26	TO
KZBE1W	X	13.74	2.00	2.77	14.22	0.61	0.74	CE
LS2QGE		11.17	-0.57	-0.79	12.70	-0.91	-1.10	XX
LU12X9		12.30	0.56	0.77	13.36	-0.25	-0.30	BA
M1YCBR		10.69	-1.05	-1.46	12.85	-0.76	-0.92	TM
M4PDTZ	X	13.88	2.14	2.96	11.92	-1.68	-2.04	TM
MJA1HZ	X	2.45	-9.29	-12.87	2.28	-11.33	-13.72	CS
MP2818		12.12	0.38	0.52	13.85	0.24	0.29	TO
MSPVYD		11.79	0.05	0.07	14.37	0.76	0.93	TM
N4HJBD		13.49	1.75	2.43	14.97	1.37	1.66	WZ
N4KAGQ		12.28	0.54	0.74	13.85	0.25	0.30	XX
N7E9M6		11.83	0.09	0.12	14.40	0.80	0.97	TO
NSLF95		10.22	-1.52	-2.11	12.63	-0.97	-1.18	TO
PDWKX7		10.89	-0.85	-1.17	12.55	-1.05	-1.28	DY

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S79			Sample S80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
PHV8XT		12.40	0.66	0.91	13.81	0.21	0.25	TO
PPD246		11.88	0.14	0.20	13.49	-0.12	-0.14	TO
PPZ5PL		11.50	-0.24	-0.33	12.93	-0.67	-0.81	TO
PT22L9		10.83	-0.91	-1.26	12.22	-1.38	-1.67	TO
PXLAAE		12.19	0.45	0.62	14.30	0.70	0.85	TM
Q6NFD8		11.55	-0.19	-0.27	13.80	0.20	0.24	WZ
QGLDCE		12.98	1.24	1.72	15.46	1.86	2.25	CE
QMTJLZ		12.18	0.44	0.61	14.50	0.90	1.09	CE
QX2W8N	X	7.72	-4.02	-5.57	11.04	-2.57	-3.11	TM
RABM9P		10.92	-0.82	-1.13	12.25	-1.35	-1.64	XX
RELD6V		12.99	1.25	1.73	14.75	1.15	1.39	CE
RPGLJR		10.46	-1.28	-1.78	12.47	-1.13	-1.37	BA
S3YBV8		11.16	-0.58	-0.80	12.82	-0.78	-0.95	TO
TLABN9	*	11.84	0.10	0.14	12.36	-1.24	-1.50	TO
TMWFCT		11.55	-0.19	-0.26	13.09	-0.52	-0.62	TO
TVTHU5		12.83	1.09	1.51	13.99	0.38	0.46	TO
UA3JGS		11.90	0.16	0.22	12.94	-0.66	-0.80	CE
VG2J2D		11.56	-0.18	-0.25	13.64	0.03	0.04	TO
WTBFV8	X	1.33	-10.41	-14.41	1.68	-11.92	-14.44	TO
WU6QTR	X	10.52	-1.22	-1.69	9.30	-4.30	-5.21	TO
WZTUG1		12.20	0.46	0.64	13.92	0.32	0.38	TM
X34Z4E		12.45	0.71	0.99	13.58	-0.02	-0.03	CE
X54BE8		11.27	-0.47	-0.65	13.44	-0.16	-0.20	TM
XEDM28		10.98	-0.76	-1.05	12.46	-1.15	-1.39	TO
XVYEJK	X	1.23	-10.51	-14.56	1.44	-12.17	-14.74	XX
XZ9Z8H	X	14.06	2.32	3.21	16.41	2.81	3.40	TM
YM2YAZ		11.29	-0.45	-0.62	12.97	-0.64	-0.77	TM
YYK9BQ		12.09	0.35	0.48	14.84	1.24	1.50	TM
YYR1HJ		12.15	0.41	0.57	13.65	0.04	0.05	TO
ZW2S6W		11.37	-0.37	-0.51	12.96	-0.64	-0.78	BA
ZW4NLM	X	4.93	-6.81	-9.43	5.95	-7.65	-9.27	TM

Analysis 790

Notched Izod Impact - ft.lbf/in

Summary Statistics

Grand Means

11.741 ft.lbf/in

13.604 ft.lbf/in

Std Dev Btwn Labs

0.722 ft.lbf/in

0.826 ft.lbf/in

Statistics based on 79 of 95 reporting participants

Sample S79: ABS/PC & Sample S80: ABS/PC

Comments on assigned Data Flags for Test #790

- 49QGV6 (X) - Inconsistent in testing between samples.
- 7HA94C (X) - Data for both samples are low.
- 8SYTAB (X) - Inconsistent in testing between samples.
- ADY855 (X) - Data for both samples are low.
- AYJZ93 (X) - Data for both samples are low. Possible Systematic Error.
- HLEQNL (X) - Data for both samples are low.
- HSDBD2 (X) - Data for both samples are low.
- KZBE1W (X) - Inconsistent in testing between samples, data for Sample S79 are high. Also inconsistent in testing within Sample S79.
- M4PDTZ (X) - Inconsistent in testing between samples, data for Sample S79 are high.
- MJA1HZ (X) - Data for both samples are low.
- QX2W8N (X) - Data for both samples are low.
- WTBFV8 (X) - Data for both samples are low
- WU6QTR (X) - Inconsistent in testing between samples, data for Sample S80 are low.
- XVYEJK (X) - Data for both samples are low.
- XZ9Z8H (X) - Data for both samples are high. Possible Systematic Error.
- ZW4NLM (X) - Data for both samples are low.

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

Analysis 792

Notched Charpy Impact - kJ/m²

WebCode	Data Flag	Sample M79			Sample M80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
2DYFLL		24.78	-0.46	-0.51	26.46	0.91	1.01	TO
2R6MTJ		25.18	-0.06	-0.06	24.85	-0.70	-0.77	TO
32HH1U		26.56	1.32	1.49	25.42	-0.13	-0.14	XX
3736BL		24.96	-0.27	-0.31	25.39	-0.16	-0.17	CE
3P2VC3		24.99	-0.25	-0.28	25.23	-0.32	-0.35	TY
64JF8S		24.12	-1.12	-1.26	24.51	-1.04	-1.15	TM
6913HC		25.98	0.74	0.84	25.90	0.35	0.39	WZ
6WVEFQ		24.77	-0.47	-0.53	25.96	0.42	0.46	WZ
7RW2U5		25.50	0.27	0.30	27.07	1.53	1.68	WZ
8ZYBJ7		25.26	0.02	0.03	25.80	0.25	0.28	CE
9U9LS4	X	29.43	4.19	4.71	22.22	-3.33	-3.66	CE
ADWEAC		25.62	0.38	0.43	26.84	1.29	1.42	WZ
AH5BQZ		26.33	1.10	1.23	25.78	0.23	0.26	TM
BEUGZP		25.08	-0.16	-0.18	25.19	-0.35	-0.39	XX
BMYN5W		24.67	-0.56	-0.63	25.32	-0.23	-0.25	TM
CW29NT		24.21	-1.03	-1.15	24.44	-1.11	-1.22	TO
DTEESM		26.84	1.60	1.80	25.21	-0.34	-0.38	CE
EABQR5		24.10	-1.14	-1.28	24.32	-1.23	-1.35	TM
ECHF6D		26.32	1.08	1.22	26.92	1.37	1.51	CE
ELQ791	*	26.65	1.42	1.59	24.79	-0.76	-0.83	TM
F153RN		26.12	0.89	1.00	26.51	0.97	1.07	TO
GRFRWM		26.10	0.86	0.97	25.90	0.35	0.39	CE
H1ZHR5		25.78	0.54	0.61	25.62	0.07	0.08	XX
K1LD9X		24.95	-0.28	-0.32	25.81	0.26	0.29	TM
NSZ1P8		23.37	-1.86	-2.09	23.95	-1.60	-1.76	CE
QCDF29		25.21	-0.02	-0.03	25.76	0.21	0.23	CE
QK5G1T		24.11	-1.13	-1.27	25.08	-0.47	-0.51	XX
QZF7UL		25.04	-0.19	-0.22	27.21	1.66	1.83	XX
S53KRB		24.80	-0.43	-0.49	24.82	-0.73	-0.80	TM
SAUWZE		26.49	1.26	1.41	26.42	0.88	0.97	TM
SQLVK9		25.08	-0.16	-0.18	25.78	0.23	0.26	KF
T27M9K		25.72	0.48	0.54	26.31	0.77	0.85	CE

Plastics Interlaboratory Testing Program
Analysis 792
Notched Charpy Impact - kJ/m²

WebCode	Data Flag	Sample M79			Sample M80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
U6ZE8M	X	20.36	-4.88	-5.48	20.82	-4.73	-5.21	CE
UWFNQU		25.53	0.29	0.33	24.90	-0.65	-0.71	XX
X1436S		25.55	0.31	0.35	25.19	-0.36	-0.40	TM
XMU6FC		25.34	0.10	0.12	25.52	-0.03	-0.03	TO
Y7AHJU		25.24	0.00	0.00	27.10	1.55	1.71	CE
ZDNCYG	*	22.75	-2.49	-2.80	22.94	-2.61	-2.87	XX
ZFNSSJ		24.24	-1.00	-1.13	25.74	0.20	0.22	TO
ZJ7DJE		25.34	0.11	0.12	24.85	-0.70	-0.77	XX
ZPLFSW		25.98	0.75	0.84	26.15	0.60	0.66	CE
ZWQ8DU		24.80	-0.44	-0.49	24.92	-0.62	-0.69	CE

Summary Statistics

Grand Means

25.237 kJ/m²25.547 kJ/m²

Std Dev Btwn Labs

0.889 kJ/m²0.908 kJ/m²

Statistics based on 40 of 42 reporting participants

Sample M79: HIPS & Sample M80: HIPS

Comments on assigned Data Flags for Test #792

9U9LS4 (X) - Inconsistent in testing between samples. Data for Sample M79 are low and data for Sample M80 are high.

U6ZE8M (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

(CE) - Ceast

(KF) - Karl Frank GmbH

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

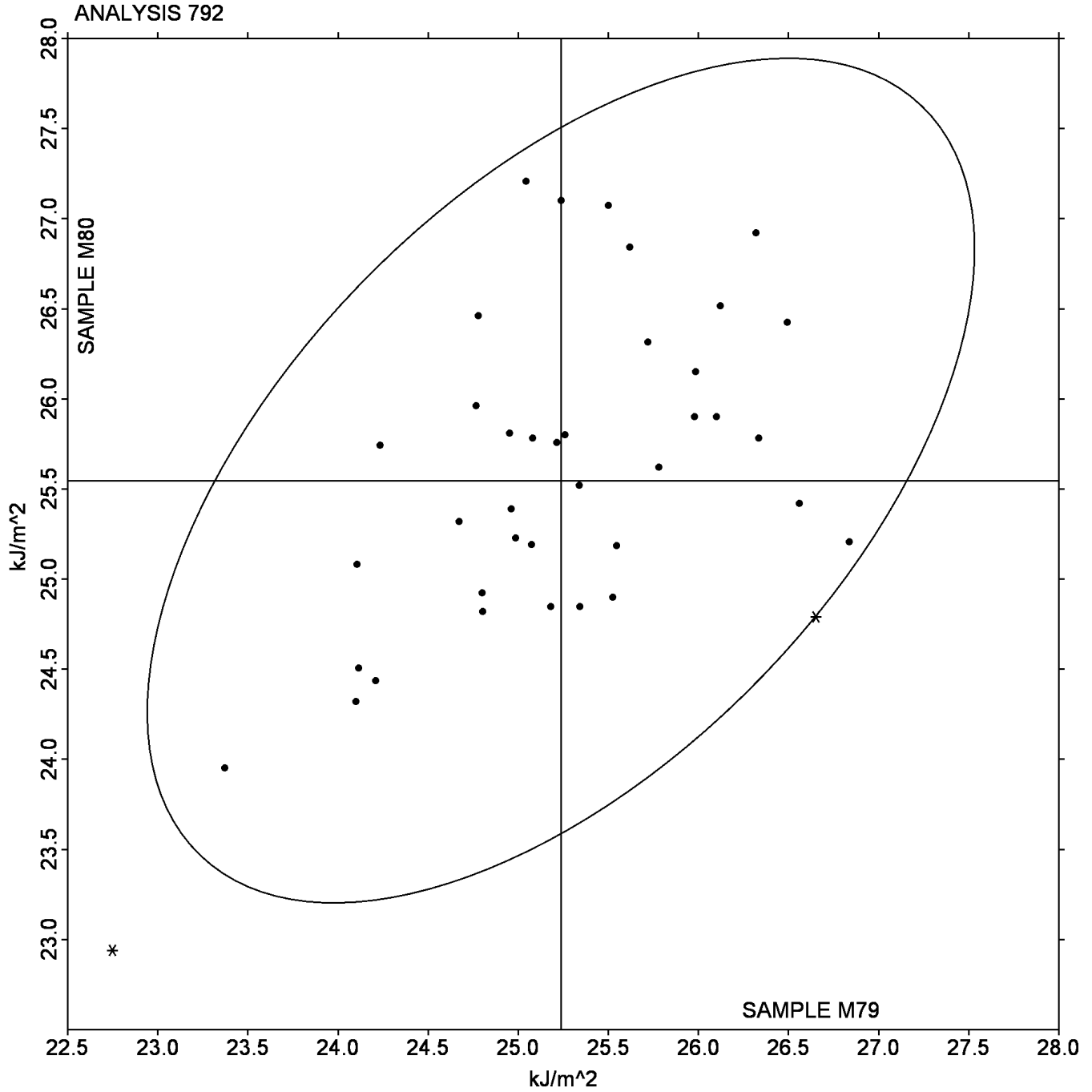
(WZ) - Zwick

(XX) - Instrument manufacturer not specified by lab

Analysis 792

Notched Charpy Impact - kJ/m²

Grand Mean Sample M79: 25.237 kJ/m² Grand Mean Sample M80: 25.547 kJ/m²



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 E79			Sample E80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
13QQT6		80.05	-1.52	-1.29	76.83	-1.74	-1.40	XX
1EQU1S		81.05	-0.52	-0.44	78.63	0.06	0.05	XX
1EWUMC		82.80	1.23	1.04	79.75	1.19	0.96	CE
26YLA5		80.95	-0.62	-0.53	78.25	-0.31	-0.25	AT
2B8PGM		80.88	-0.69	-0.59	78.18	-0.39	-0.31	AT
4K8KBH		82.60	1.03	0.87	79.08	0.51	0.41	XX
4WCUDM		80.63	-0.94	-0.80	78.05	-0.51	-0.41	CE
5HKS6C		83.55	1.98	1.68	80.25	1.69	1.36	CE
5QV4XS		81.33	-0.24	-0.21	78.25	-0.31	-0.25	TY
61EV5D		84.43	2.86	2.42	81.65	3.09	2.49	TO
732LCX	X	80.03	-1.54	-1.31	78.95	0.39	0.31	CE
7YFG3M		80.08	-1.49	-1.27	77.00	-1.56	-1.26	CE
9KVCYA		79.45	-2.12	-1.80	77.36	-1.20	-0.97	TO
ASB6XJ		81.75	0.18	0.15	78.80	0.24	0.19	DN
BWFKNT	X	79.73	-1.84	-1.56	79.38	0.81	0.66	XX
C5NURM		82.35	0.78	0.66	78.93	0.36	0.29	CE
CDCMWS		81.05	-0.52	-0.44	78.90	0.34	0.27	TO
CDEGFX		80.78	-0.79	-0.67	77.95	-0.61	-0.49	CE
D56SL5		83.75	2.18	1.85	81.15	2.59	2.09	XX
DRQLQH		80.98	-0.59	-0.50	77.58	-0.99	-0.80	XX
FFDJBQ		80.35	-1.22	-1.03	77.40	-1.16	-0.94	CE
JXYPN7		83.25	1.68	1.43	79.90	1.34	1.08	TO
LAZRRZ	X	81.48	-0.09	-0.08	74.65	-3.91	-3.15	XX
NVFW51		82.13	0.56	0.47	79.70	1.14	0.92	RR
NYG2HL		82.15	0.58	0.49	79.90	1.34	1.08	EM
P4GWUE	X	87.23	5.66	4.80	89.55	10.99	8.86	AT
RJVRNU		81.20	-0.37	-0.31	78.15	-0.41	-0.33	XX
RMRFQU		82.65	1.08	0.92	79.73	1.16	0.94	XA
STL6EP	*	82.58	1.01	0.85	78.00	-0.56	-0.45	TO
TZP5SZ		80.90	-0.67	-0.57	77.60	-0.96	-0.78	TO
U55C7J		82.60	1.03	0.87	80.08	1.51	1.22	TO
UBBSAK		80.18	-1.39	-1.18	76.95	-1.61	-1.30	TO

Plastics Interlaboratory Testing Program
Analysis 710
Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E79			Sample E80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
UMHMN5		81.93	0.36	0.30	78.80	0.24	0.19	XX
WAGUBJ		80.75	-0.82	-0.70	77.80	-0.76	-0.61	TO
WBRZBZ		82.30	0.73	0.62	78.80	0.24	0.19	AT
YCRPNS		80.88	-0.69	-0.59	77.25	-1.31	-1.06	TO
YGYA8		81.38	-0.19	-0.16	78.80	0.24	0.19	CS
YHMF79		80.60	-0.97	-0.82	77.30	-1.26	-1.02	RO
YQWBVX		82.88	1.31	1.11	80.13	1.56	1.26	EM
YWSN59		80.53	-1.04	-0.89	76.78	-1.79	-1.44	AI
Z5W45D		80.45	-1.12	-0.95	77.18	-1.39	-1.12	XX

Summary Statistics

Grand Means

81.569 Degrees C

78.562 Degrees C

Std Dev Btwn Labs

1.179 Degrees C

1.241 Degrees C

Statistics based on 37 of 41 reporting participants

Sample E79: HIPS & Sample E80: HIPS

Comments on assigned Data Flags for Test #710

732LCX (X) - Inconsistent in testing between samples and inconsistent in testing within Sample E79.

BWFKNT (X) - Inconsistent in testing between samples.

LAZRRZ (X) - Inconsistent in testing between samples. Data for Sample E80 are low.

P4GWUE (X) - Data for both samples are high. Also inconsistent in testing within both samples.

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

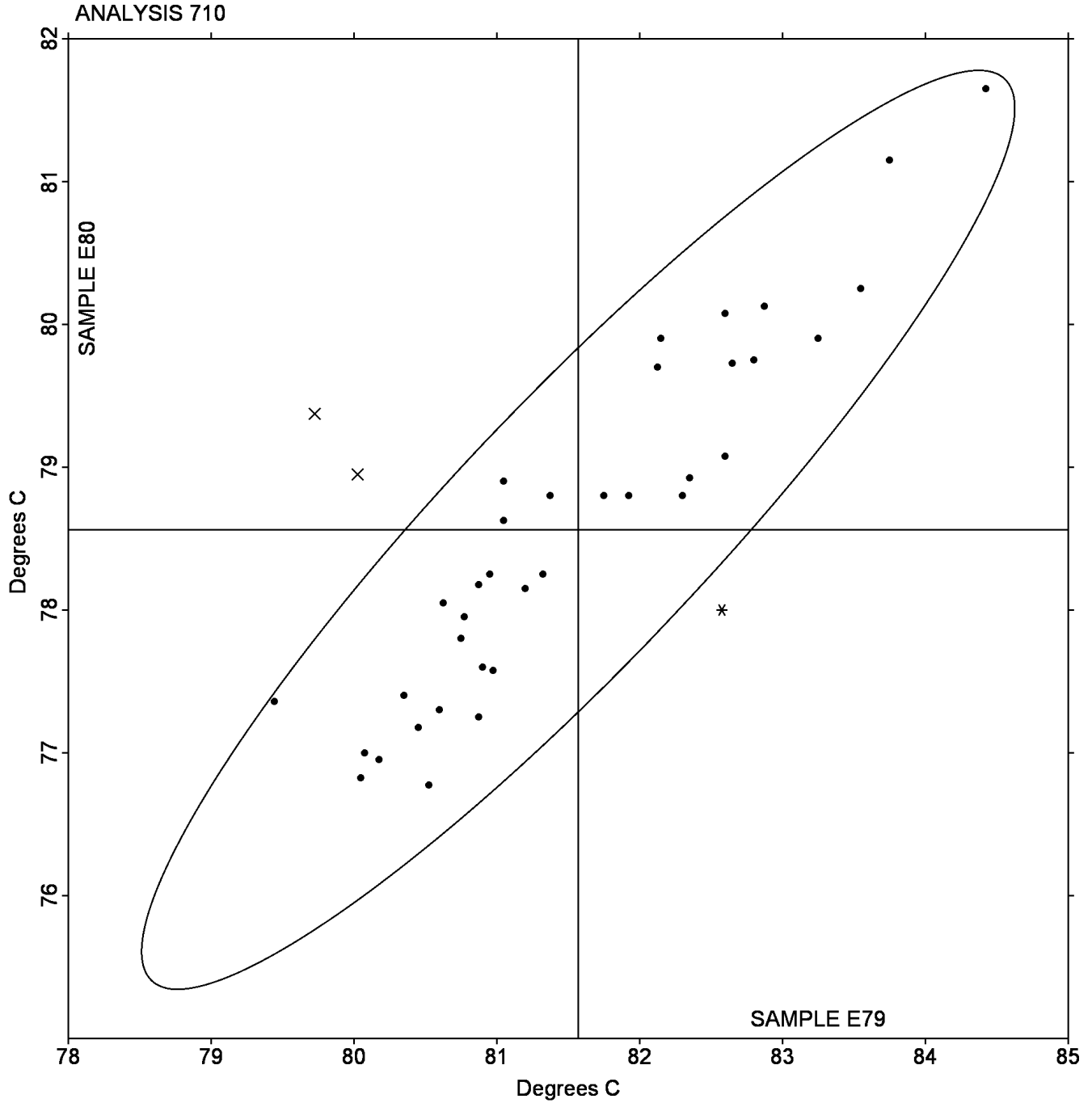
(TY) - Toyoseiki

(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 E79: 81.569 Degrees C Grand Mean Sample E80: 78.562 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 G79			Sample G80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
195PMG		65.5	-0.3	-0.12	116.2	2.8	0.59	TO
1XQ72K		64.5	-1.3	-0.51	112.7	-0.7	-0.15	CE
469X81		65.7	-0.1	-0.03	115.0	1.6	0.34	XX
4S42QN	X	82.2	16.4	6.63	130.9	17.5	3.71	XX
66AGJV		66.0	0.2	0.07	115.2	1.8	0.38	CE
7R9811		65.6	-0.2	-0.08	113.4	0.0	0.00	XX
BGM7G8		68.3	2.5	1.02	112.1	-1.4	-0.29	XX
C3MBW6		67.1	1.3	0.52	112.5	-0.9	-0.19	CE
FJZW1Z		63.7	-2.0	-0.83	115.8	2.3	0.50	TO
GG1N8G		67.7	1.9	0.76	114.1	0.7	0.14	EM
GVTG6A		65.0	-0.8	-0.31	114.8	1.4	0.29	TO
H1BAJ7		66.6	0.9	0.35	118.9	5.5	1.17	XX
JWUUG3		68.6	2.8	1.12	119.2	5.8	1.23	XX
MCC641		65.0	-0.8	-0.31	110.7	-2.7	-0.58	TO
PEKXMT		64.8	-1.0	-0.39	113.2	-0.2	-0.05	TO
Q7HBRB		62.1	-3.7	-1.50	102.6	-10.8	-2.29	XX
S6KHGF		66.8	1.1	0.43	113.6	0.1	0.03	CE
TGS2QP	*	59.5	-6.2	-2.52	99.1	-14.3	-3.03	XX
UWU3VV		64.3	-1.5	-0.61	114.4	0.9	0.20	TO
W3HCK1		65.5	-0.3	-0.13	115.2	1.8	0.38	CE
W7FN2R		71.7	6.0	2.41	118.0	4.6	0.97	RR
WXBSMV		67.4	1.6	0.66	115.1	1.6	0.35	XX

Summary Statistics			
Grand Means	65.77	Degrees C	113.41
			Degrees C
Std Dev Btwn Labs	2.48	Degrees C	4.72
			Degrees C
Statistics based on 21 of 22 reporting participants			

Sample G79: PP & Sample G80: PP

Comments on assigned Data Flags for Test #711

4S42QN (X) - Data for both samples are high. Also inconsistent in testing within both sample sets.

Plastics Interlaboratory Testing Program
Analysis 711
Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

Instrument Code List as Reported by the Labs

(CE) - Ceast

(EM) - Empire-Vortex

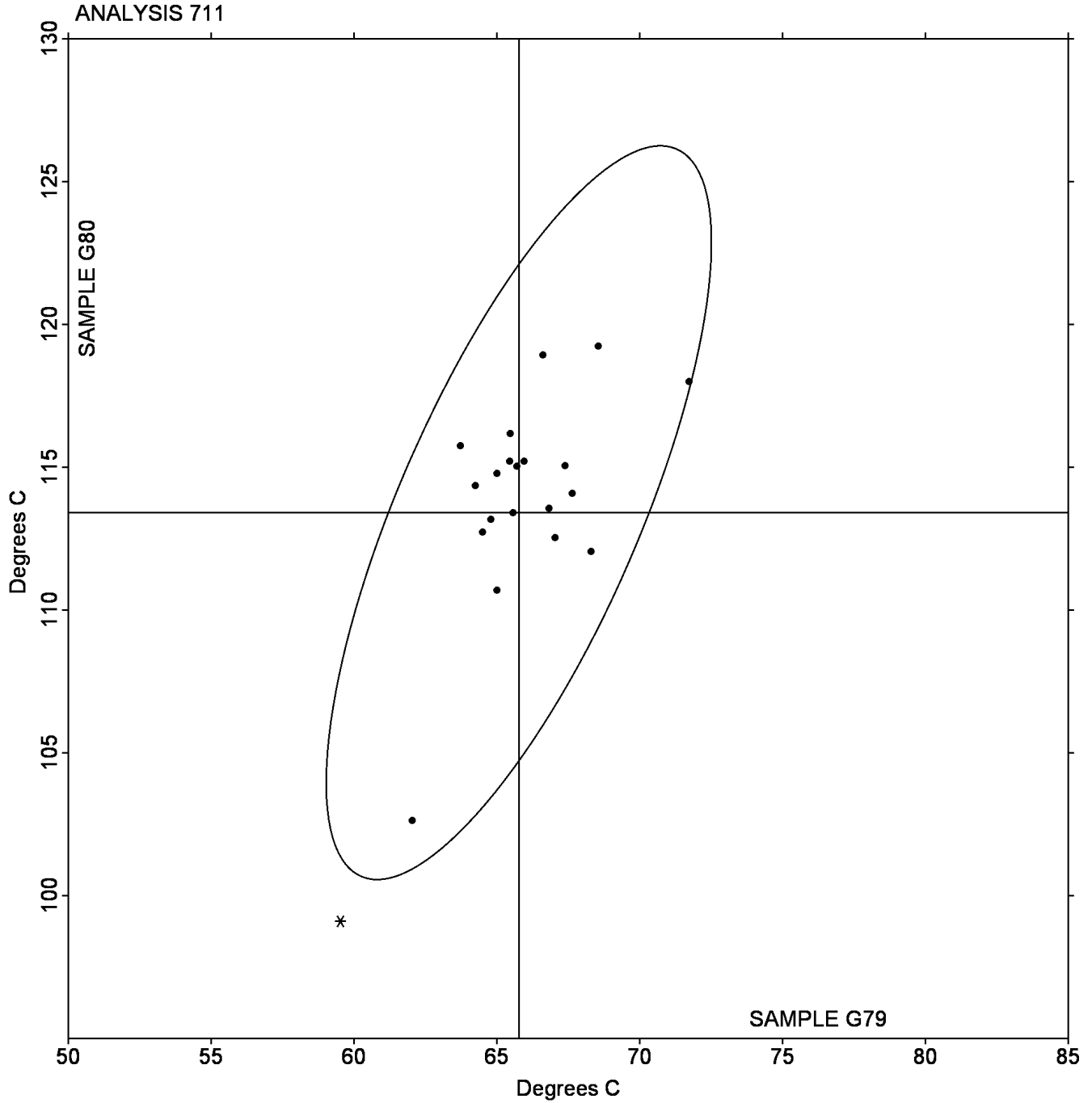
(RR) - Ray-Ran

(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 G79: 65.768 Degrees C Grand Mean Sample G80: 113.41 Degrees C



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

Analysis 712

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

WebCode	Data Flag	Sample N79			Sample N80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
1KJSX6		80.73	-0.52	-0.52	77.13	-0.39	-0.29	CE
1RPFKF		79.65	-1.60	-1.59	74.78	-2.74	-2.04	CE
1ZM6DL	*	78.53	-2.72	-2.71	74.73	-2.79	-2.07	XX
3F87PD		81.70	0.45	0.45	76.50	-1.01	-0.75	AT
3FNDX5		80.45	-0.80	-0.79	76.88	-0.64	-0.47	XX
4Q4KWT		80.15	-1.10	-1.09	76.63	-0.89	-0.66	CE
4XZA6M		80.78	-0.47	-0.47	78.35	0.84	0.62	TO
53V1P5		82.50	1.25	1.25	78.35	0.84	0.62	DN
9MQRUM		81.83	0.58	0.58	78.15	0.64	0.47	XX
9MSQWP		80.95	-0.30	-0.29	77.38	-0.14	-0.10	TO
A6FYKP		80.85	-0.40	-0.39	77.48	-0.04	-0.03	AT
APYLGY		81.60	0.35	0.35	77.95	0.44	0.33	CF
BSURJG		81.68	0.43	0.43	77.60	0.09	0.06	CE
DTEVXY		82.53	1.28	1.27	77.63	0.11	0.08	AT
DWSBQJ		81.80	0.55	0.55	78.48	0.96	0.72	EM
EM1Q41		81.68	0.43	0.43	78.19	0.67	0.50	RO
ETRX65		79.98	-1.27	-1.26	75.60	-1.91	-1.42	XX
GDDJ56	*	82.35	1.10	1.10	80.73	3.21	2.39	AT
GNUYL6		80.45	-0.80	-0.79	76.45	-1.06	-0.79	AT
JGYXGH	*	82.48	1.23	1.22	76.95	-0.56	-0.42	XX
JR2C1V		80.75	-0.50	-0.49	76.55	-0.96	-0.72	TO
JY65JR		80.48	-0.77	-0.77	76.83	-0.69	-0.51	XX
KKHTP3		79.85	-1.40	-1.39	76.13	-1.39	-1.03	CE
LV6NCB		81.65	0.40	0.40	77.78	0.26	0.20	TY
N3J3QA		82.08	0.83	0.83	78.13	0.61	0.46	XX
P5AL58		81.75	0.50	0.50	78.13	0.61	0.46	AT
PCA6Z4		81.00	-0.25	-0.24	77.23	-0.29	-0.21	AT
QGUSX1		80.55	-0.70	-0.69	76.55	-0.96	-0.72	XX
RSLQ93	X	78.20	-3.05	-3.03	77.15	-0.36	-0.27	CE
SDPZ3T		81.50	0.25	0.25	78.58	1.06	0.79	TO
VCHPZL	*	83.30	2.05	2.04	81.33	3.81	2.84	AT
W2Y9GY		81.03	-0.22	-0.22	78.35	0.84	0.62	CE

Analysis 712

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

WebCode	Data Flag	Sample N79			Sample N80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
XPJENS		82.13	0.88	0.88	78.25	0.74	0.55	AT
XZRNGX		82.55	1.30	1.30	78.50	0.99	0.73	AT
ZWX4D4		81.13	-0.12	-0.12	77.25	-0.26	-0.20	CE

Summary Statistics

Grand Means

81.246 Degrees C

77.513 Degrees C

Std Dev Btwn Labs

1.005 Degrees C

1.344 Degrees C

Statistics based on 34 of 35 reporting participants

Sample N79: HIPS & Sample N80: HIPS

Comments on assigned Data Flags for Test #712

RSLQ93 (X) - Data for Sample N79 are low.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(EM) - Empire-Vortex

(RO) - Rosand

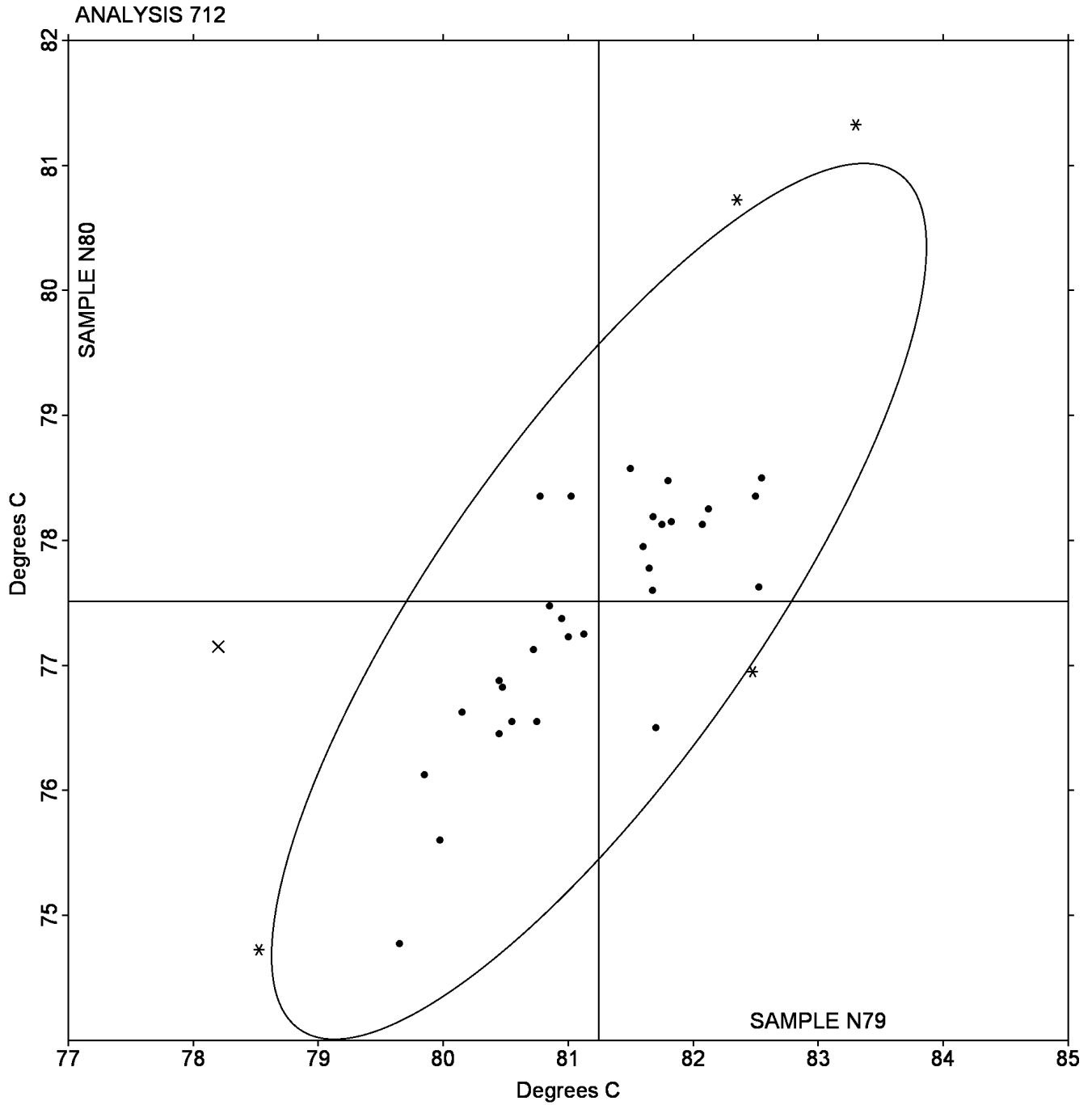
(TO) - Tinius Olsen

(TY) - Toyoseiki

(XX) - Instrument manufacturer not specified by lab

Analysis 712
Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

Grand Mean Sample N79: 81.246 Degrees C Grand Mean Sample N80: 77.513 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 H79			Sample H80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
1273J9		113.50	0.26	0.18	113.47	0.42	0.28	AT
19HUU8		112.48	-0.76	-0.52	112.38	-0.67	-0.44	CE
2Q5M1S	*	117.17	3.93	2.70	117.07	4.02	2.66	EM
2QP68K		112.93	-0.31	-0.21	112.98	-0.07	-0.04	XX
47D8KE		113.37	0.13	0.09	113.00	-0.05	-0.03	CE
4GNUTD	*	117.60	4.36	3.00	117.20	4.15	2.75	XX
4VYNS5		113.53	0.29	0.20	113.10	0.05	0.03	AI
4YVB7S		111.37	-1.88	-1.29	110.93	-2.12	-1.40	EC
666YE5		112.75	-0.49	-0.34	112.47	-0.58	-0.39	RO
9TDNHR		112.35	-0.89	-0.61	112.30	-0.75	-0.50	XX
AA527F		112.38	-0.86	-0.59	112.38	-0.67	-0.44	CE
AB7DKC		113.35	0.11	0.07	113.02	-0.03	-0.02	TO
BZYEP1		112.38	-0.86	-0.59	112.28	-0.77	-0.51	TO
CGMZ7L		114.53	1.29	0.89	114.37	1.32	0.87	AT
D67Y8D		114.22	0.98	0.67	114.02	0.97	0.64	XX
EFA6VR	*	113.00	-0.24	-0.17	112.13	-0.92	-0.61	XX
EJNNN7		115.65	2.41	1.66	115.53	2.48	1.65	TO
H2F3TA		111.82	-1.43	-0.98	111.42	-1.63	-1.08	CE
K9ABSQ		114.18	0.94	0.65	114.02	0.97	0.64	CE
P7XADE		112.00	-1.24	-0.85	112.00	-1.05	-0.70	CE
PDQAZ1	*	114.73	1.49	1.03	115.20	2.15	1.43	RR
PXYGGB		112.38	-0.86	-0.59	112.13	-0.92	-0.61	TO
RGHAW9		112.37	-0.88	-0.60	112.53	-0.52	-0.34	CE
RJ2BTF		112.43	-0.81	-0.56	112.38	-0.67	-0.44	XX
RVZ4E1		113.22	-0.03	-0.02	113.28	0.23	0.15	AT
S7512V		112.33	-0.91	-0.62	112.07	-0.98	-0.65	CE
SHPSU5		113.00	-0.24	-0.17	112.18	-0.87	-0.58	AT
TD8ZZL		110.80	-2.44	-1.68	110.40	-2.65	-1.76	CE
XEXZN5		114.67	1.43	0.98	114.70	1.65	1.09	CF
XPNFH1		112.98	-0.26	-0.18	112.65	-0.40	-0.27	TY
YLNG9S		112.92	-0.33	-0.22	112.78	-0.27	-0.18	DN
YTDK2B		112.43	-0.81	-0.56	112.23	-0.82	-0.54	CE

Plastics Interlaboratory Testing Program
Analysis 715
Vicat Softening Temperature (Rate A)

WebCode	Data Flag	Sample H79			Sample H80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
YZRUQ6		112.05	-1.19	-0.82	111.80	-1.25	-0.83	CE
ZGQACP		113.33	0.09	0.06	113.32	0.27	0.18	AT

Summary Statistics

Grand Means

113.242 Degrees C

113.051 Degrees C

Std Dev Btwn Labs

1.454 Degrees C

1.508 Degrees C

Statistics based on 34 of 34 reporting participants

Sample H79: ABS/PC & Sample H80: ABS/PC

Instrument Code List as Reported by the Labs

(AI) - American Instrument Co.

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(EC) - Exacal

(EM) - Empire-Vortex

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

(XX) - Instrument manufacturer not specified by lab

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

WebCode	Data Flag	Sample R79			Sample R80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
1C6LCW		114.00	-0.95	-0.93	114.00	-0.70	-0.71	TO
1C7FW3		114.72	-0.24	-0.23	114.78	0.09	0.09	CE
1WJ73S		114.50	-0.45	-0.44	114.40	-0.30	-0.30	CE
2YFTV9		114.68	-0.27	-0.26	114.30	-0.40	-0.41	CE
39NG7Y		115.48	0.53	0.52	114.70	0.00	0.00	XX
6XGQ4P		113.82	-1.14	-1.11	113.82	-0.88	-0.90	CE
8CSKMW		113.97	-0.99	-0.97	113.90	-0.80	-0.81	CE
A3R2UA		116.50	1.55	1.52	116.30	1.60	1.64	TO
AAW83M		115.50	0.55	0.54	115.22	0.52	0.53	XX
BBWCQU		116.50	1.55	1.52	115.75	1.05	1.08	AT
BDBNWC	X	119.05	4.10	4.02	116.50	1.80	1.84	RR
D5SENF		115.95	1.00	0.98	115.85	1.15	1.18	XX
DMRD92		115.67	0.71	0.70	115.42	0.72	0.74	TY
DUPWPY		116.42	1.46	1.44	116.20	1.50	1.54	AT
E2NNZV		114.55	-0.40	-0.39	114.62	-0.08	-0.08	AI
ENFTBY	*	112.00	-2.95	-2.90	111.60	-3.10	-3.17	CE
GV6LN3		113.72	-1.24	-1.21	113.48	-1.21	-1.24	CE
HY7F2P		114.05	-0.90	-0.88	114.10	-0.60	-0.61	XX
J271B7		115.15	0.20	0.19	114.93	0.24	0.24	DN
KTTL4C		115.32	0.36	0.36	115.22	0.52	0.53	XX
L25ZPT		115.87	0.91	0.90	115.50	0.80	0.82	CE
M6UQPF		114.72	-0.24	-0.23	114.68	-0.01	-0.01	CE
N234WF		115.28	0.33	0.32	114.67	-0.03	-0.03	RO
Q1WBK4		115.80	0.85	0.83	115.43	0.74	0.75	AT
RGESRH		115.13	0.18	0.18	114.48	-0.21	-0.22	RO
SHRSGC		114.17	-0.79	-0.77	114.17	-0.53	-0.54	CE
ST89B5		116.03	1.08	1.06	116.12	1.42	1.45	AT
TVNGNH		113.98	-0.97	-0.95	113.77	-0.93	-0.95	TO
ULCRTD		116.90	1.95	1.91	116.37	1.67	1.71	CE
VLBCRS	X	117.27	2.31	2.27	115.52	0.82	0.84	XX
VMF7WQ		115.33	0.38	0.37	115.07	0.37	0.38	TO
W8QPRZ	X	114.52	-0.44	-0.43	110.93	-3.76	-3.85	EC

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

WebCode	Data Flag	Sample R79			Sample R80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
WC63KZ		114.30	-0.65	-0.64	114.13	-0.56	-0.58	TO
WKVHNW		113.90	-1.05	-1.03	113.68	-1.01	-1.04	XX
WPS59J		114.43	-0.52	-0.51	113.77	-0.93	-0.95	XX
YLYYT8		114.73	-0.22	-0.21	114.47	-0.23	-0.23	CE
Z4LZ3U		115.32	0.36	0.36	114.78	0.09	0.09	XX

Summary Statistics

Grand Means

114.952 Degrees C

114.696 Degrees C

Std Dev Btwn Labs

1.020 Degrees C

0.978 Degrees C

Statistics based on 34 of 37 reporting participants

Sample R79: ABS/PC & Sample R80: ABS/PC

Comments on assigned Data Flags for Test #716

BDBNWC (X) - Inconsistent in testing between samples. Data for Sample R79 are high.

VLBCRS (X) - Inconsistent in testing between samples.

W8QPRZ (X) - Inconsistent in testing between samples, data for Sample R80 are low.

Instrument Code List as Reported by the Labs

(AI) - American Instrument Co.

(AT) - Atlas

(CE) - Ceast

(DN) - DYNISCO

(EC) - Exacal

(RO) - Rosand

(RR) - Ray-Ran

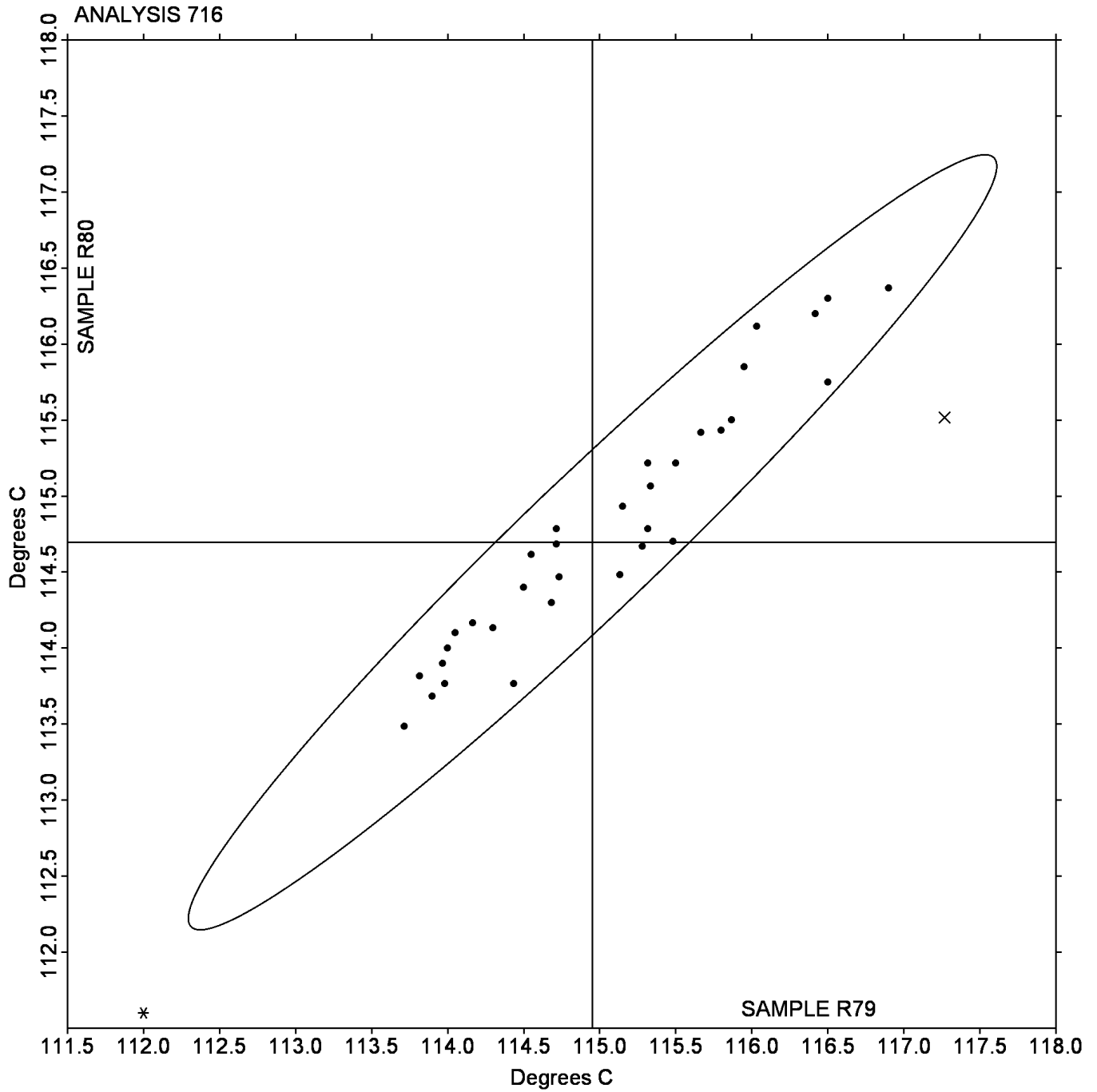
(TO) - Tinius Olsen

(TY) - Toyoseiki

(XX) - Instrument manufacturer not specified by lab

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

Grand Mean Sample R79: 114.95 Degrees C Grand Mean Sample R80: 114.70 Degrees C



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

Analysis 750

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

WebCode	Data Flag	Sample X79			Sample X80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
13UACT		6.53	0.05	0.23	7.01	-0.05	-0.16	DY
1BVSNP		6.96	0.48	2.05	7.30	0.25	0.87	KA
1CWXGZ		6.46	-0.02	-0.08	7.10	0.05	0.16	GO
1E77YH	X	6.40	-0.07	-0.32	7.70	0.65	2.29	CS
264USL	X	0.63	-5.84	-24.94	0.68	-6.37	-22.62	KA
2CWR2X		6.35	-0.12	-0.53	6.65	-0.40	-1.44	TO
2HXV5U	*	7.10	0.63	2.67	7.85	0.80	2.82	TO
2WVELX		6.50	0.03	0.11	7.06	0.01	0.02	KA
31LXCU		6.39	-0.09	-0.38	7.12	0.06	0.21	TO
34AB95		6.55	0.08	0.32	7.40	0.35	1.23	TO
3GKJ1X		6.54	0.06	0.26	6.85	-0.20	-0.73	CE
3J9S8D		6.55	0.08	0.32	7.10	0.05	0.16	TO
3MCX1L		6.67	0.20	0.84	7.00	-0.05	-0.18	TO
45PQB7		6.92	0.44	1.90	7.35	0.30	1.06	TO
472QNZ		6.45	-0.02	-0.11	7.15	0.10	0.34	TO
59RWWX		6.40	-0.07	-0.32	7.30	0.25	0.87	XX
5DNLTP		6.22	-0.25	-1.09	6.68	-0.37	-1.33	XX
5S7XZH	*	7.10	0.63	2.67	7.70	0.65	2.29	TO
6F1LJH		6.75	0.28	1.17	7.35	0.30	1.05	KA
76VXFB		6.48	0.01	0.04	7.21	0.16	0.55	GO
7DT4C5		6.50	0.03	0.11	6.65	-0.40	-1.44	GO
7ZX4U8		6.50	0.03	0.11	7.10	0.05	0.16	TO
8E8MX2		6.40	-0.07	-0.32	6.90	-0.15	-0.55	GO
8XRVHJ		6.99	0.52	2.20	7.52	0.46	1.64	DA
8YA2CM	X	6.40	-0.07	-0.32	5.95	-1.10	-3.92	DY
983QTL		6.75	0.28	1.17	7.50	0.45	1.58	TO
98GL6N		6.20	-0.27	-1.17	7.23	0.17	0.61	TO
9NSH72		6.31	-0.17	-0.73	7.00	-0.06	-0.21	KA
AYVGUM		6.70	0.22	0.96	7.46	0.40	1.43	TO
B1VWKA		6.48	0.01	0.02	7.23	0.17	0.62	TO
BHC6BS		6.15	-0.32	-1.39	6.51	-0.54	-1.93	DY
BZV4BX	X	5.55	-0.92	-3.95	6.15	-0.90	-3.21	TA

Analysis 750

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

WebCode	Data Flag	Sample X79			Sample X80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
C9ZH6W	X	5.51	-0.96	-4.12	6.56	-0.50	-1.77	TO
D6J2WQ		6.69	0.22	0.92	7.40	0.35	1.23	WZ
D936K1		6.50	0.03	0.11	7.20	0.15	0.52	TO
DFRTE6		6.85	0.38	1.60	7.35	0.30	1.05	TO
DG3JRV		6.04	-0.43	-1.84	6.97	-0.09	-0.30	KA
DVAUGR	X	5.30	-1.17	-5.01	6.65	-0.40	-1.44	TO
DWVCTA		6.58	0.11	0.45	7.05	-0.01	-0.03	TO
E7TLZK		6.30	-0.18	-0.76	6.73	-0.33	-1.16	KA
ELYJFR		6.70	0.23	0.96	7.15	0.10	0.34	TO
EU4P17		6.50	0.03	0.11	7.15	0.10	0.34	TO
EXAXH7		6.05	-0.42	-1.81	6.40	-0.65	-2.32	XX
F9T9SZ		6.30	-0.17	-0.75	7.00	-0.05	-0.19	TO
FBLU4R		6.60	0.13	0.53	7.05	0.00	-0.02	TO
FTNRDM		6.30	-0.17	-0.75	7.20	0.15	0.52	TO
FX39GC		6.44	-0.04	-0.17	7.47	0.41	1.46	TO
FYFWX6		6.50	0.03	0.11	7.15	0.10	0.34	TO
GW4KJM		6.43	-0.05	-0.21	7.07	0.01	0.04	GO
HHKNE5		6.80	0.33	1.39	7.35	0.30	1.05	AT
HLKKL6		6.25	-0.22	-0.96	7.20	0.15	0.52	DY
HTMD3Z		6.30	-0.17	-0.75	7.04	-0.02	-0.07	DY
JAGKK5		6.80	0.33	1.39	7.20	0.15	0.52	TO
JB8P34		6.57	0.09	0.39	7.21	0.15	0.54	DY
JG5QKK		6.35	-0.12	-0.53	7.10	0.05	0.16	DY
K5UYFG		6.69	0.22	0.92	7.26	0.20	0.71	TO
L34EL5		6.33	-0.14	-0.62	6.95	-0.10	-0.37	XX
L9Y9VB		6.74	0.27	1.14	7.44	0.38	1.36	CS
LE8YJY		6.60	0.13	0.53	6.80	-0.25	-0.90	TO
LNPSN	X	0.65	-5.82	-24.86	0.71	-6.34	-22.53	TO
LYLHDG		6.22	-0.26	-1.11	6.76	-0.29	-1.05	TO
M3L84K		6.55	0.08	0.32	7.05	0.00	-0.02	TO
M8KL6G		6.23	-0.24	-1.05	6.77	-0.28	-1.01	TO
MALR7Q		6.33	-0.15	-0.63	6.80	-0.26	-0.92	CE

Analysis 750

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

WebCode	Data Flag	Sample X79			Sample X80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
MWKYRZ		6.44	-0.04	-0.17	6.99	-0.06	-0.23	TO
MXQPDG		6.53	0.06	0.24	7.10	0.05	0.16	TO
NC3C8W		6.55	0.08	0.32	6.95	-0.10	-0.37	KA
NDLLS4		6.65	0.18	0.76	7.30	0.25	0.88	TO
P2CRDT	X	7.14	0.67	2.85	11.89	4.83	17.16	TO
P3DW4T		6.70	0.23	0.96	7.50	0.45	1.58	TY
PGL3VQ	X	3.16	-3.31	-14.15	5.99	-1.06	-3.78	DY
PYQ5L5		6.45	-0.02	-0.11	7.15	0.10	0.34	TO
Q1C64Y	X	5.69	-0.78	-3.35	6.77	-0.28	-1.01	WZ
R2UTGS		6.77	0.29	1.24	6.99	-0.07	-0.23	DY
RF75UT		6.39	-0.09	-0.38	7.16	0.11	0.37	DY
RUZ6YY		6.28	-0.19	-0.83	6.81	-0.25	-0.89	KA
RXXK9F		6.74	0.26	1.11	7.43	0.37	1.32	TO
S2YVG5		6.30	-0.17	-0.75	6.85	-0.20	-0.73	GO
S5X851	X	6.48	0.01	0.02	5.59	-1.46	-5.20	TO
SDA8HP	X	5.70	-0.77	-3.31	6.50	-0.55	-1.97	XX
SEFVSB		6.38	-0.09	-0.39	6.64	-0.42	-1.49	KA
SS4ECY		6.26	-0.21	-0.90	6.81	-0.25	-0.88	TO
TU1EHV		6.30	-0.17	-0.75	7.00	-0.05	-0.19	DY
U2ZEPG	*	6.46	-0.01	-0.06	6.46	-0.59	-2.11	XX
U6C5TZ		6.35	-0.12	-0.53	7.35	0.30	1.05	RR
VDW9P4	*	6.86	0.38	1.62	6.91	-0.14	-0.51	TO
VE3JBG		6.35	-0.12	-0.53	7.05	0.00	-0.02	GO
VPSPM8		6.75	0.28	1.17	7.10	0.05	0.16	TO
VULQPQ		6.20	-0.27	-1.17	6.82	-0.23	-0.83	TO
W3DW76		6.64	0.17	0.70	7.46	0.41	1.44	KA
WN27LR		6.25	-0.23	-0.97	6.81	-0.25	-0.88	QT
WTHF4P		6.42	-0.05	-0.23	6.90	-0.15	-0.53	AT
XDXGCH		6.30	-0.17	-0.75	6.70	-0.35	-1.26	XX
XWT917		6.27	-0.20	-0.87	6.99	-0.07	-0.25	KA
XZ1NE1		6.15	-0.32	-1.39	6.90	-0.15	-0.55	TO

Analysis 750

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

WebCode	Data Flag	Sample X79			Sample X80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
Y476MN		6.50	0.03	0.11	7.15	0.10	0.34	XX
YLGFE		6.25	-0.22	-0.96	6.80	-0.25	-0.90	TO
YTY7MD		6.40	-0.07	-0.32	6.80	-0.25	-0.90	GO
Z7JHW9		6.35	-0.12	-0.53	6.95	-0.10	-0.37	AT
ZFB4J5		6.25	-0.22	-0.96	6.85	-0.20	-0.73	TO
ZK6UZ6		6.04	-0.44	-1.88	6.65	-0.41	-1.45	TO
ZL28R3		6.25	-0.22	-0.96	6.56	-0.49	-1.76	WZ
ZP9KWH		6.05	-0.42	-1.81	6.60	-0.45	-1.61	TO

Summary Statistics			
Grand Means	6.475	grams/10 mins	7.055
			grams/10 mins
Std Dev Btwn Labs	0.234	grams/10 mins	0.282
			grams/10 mins
Statistics based on 91 of 103 reporting participants			

Sample X79: LDPE & Sample X80: LDPE

Comments on assigned Data Flags for Test #750

- 1E77YH (X) - Inconsistent in testing between samples.
- 264USL (X) - Data for both samples are low. Data may be off by a factor of 10.
- 8YA2CM (X) - Inconsistent in testing between samples, data for Sample X80 are low.
- BZV4BX (X) - Data for both samples are low. Possible Systematic Error.
- C9ZH6W (X) - Inconsistent in testing between samples, data for Sample X79 are low. Also inconsistent in testing within Sample X79.
- DVAUGR (X) - Inconsistent in testing between samples, data for Sample X79 are low. Also inconsistent in testing within Sample X79.
- LNPSN (X) - Data for both samples are low. Data may be off by a factor of 10.
- P2CRDT (X) - Data for both samples are high.
- PGL3VQ (X) - Data for both samples are low.
- Q1C64Y (X) - Inconsistent in testing between samples, data for Sample X79 are low.
- S5X851 (X) - Inconsistent in testing between samples, data for Sample X80 are low.
- SDA8HP (X) - Inconsistent in testing between samples, data for Sample X79 are low.

Plastics Interlaboratory Testing Program
Analysis 750
Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CS) - CSI

(DY) - Dynisco

(KA) - Kayeness

(RR) - Ray Ran

(TO) - Tinius Olsen

(WZ) - Zwick

(CE) - Ceast

(DA) - Davenport

(GO) - Gottfert

(QT) - Qualitest

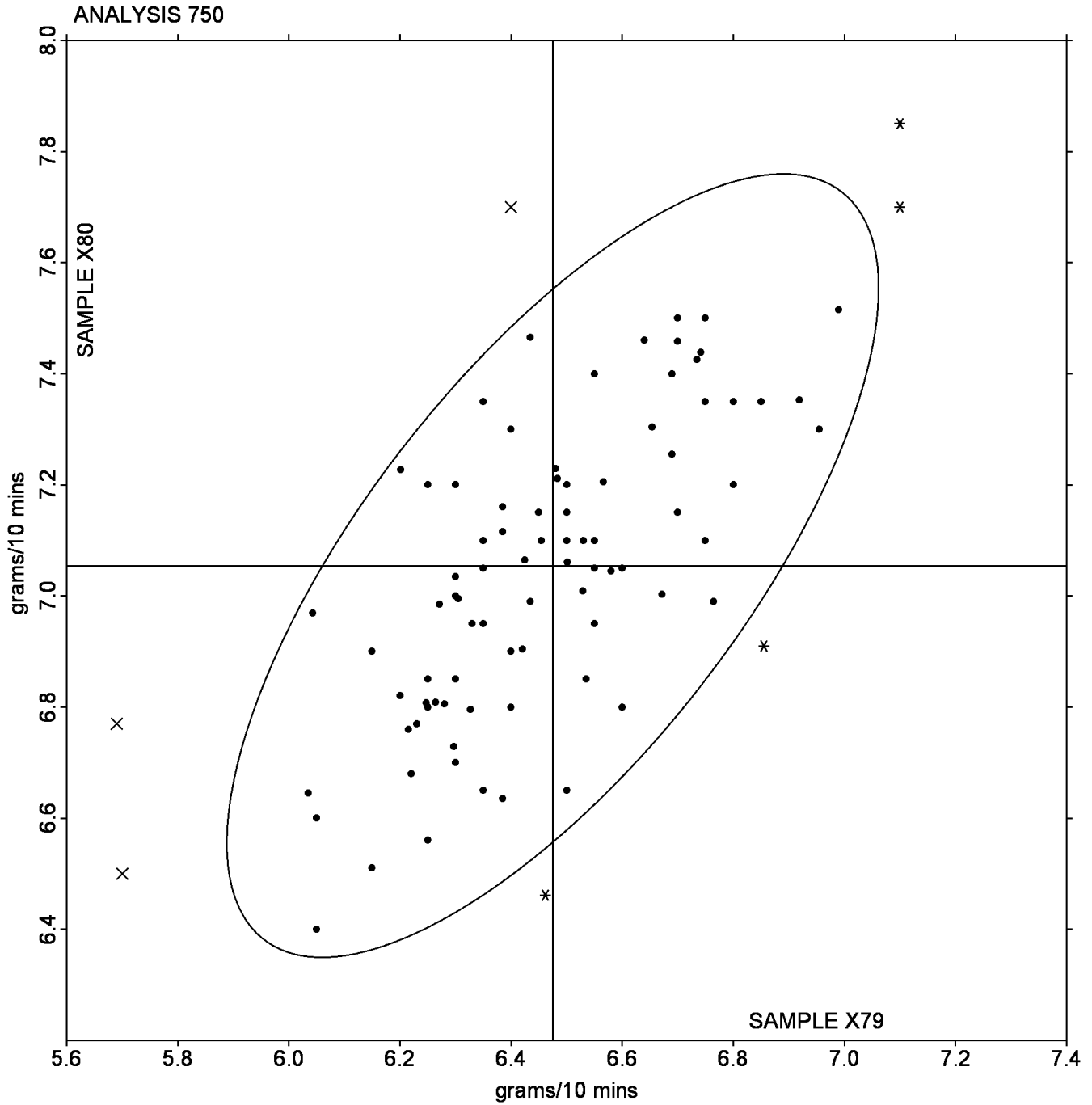
(TA) - Takara

(TY) - Toyoseiki Seisakusho

(XX) - Instrument manufacturer not specified by lab

Analysis 750
Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

Grand Mean Sample X79: 6.4749 grams/10 mins Grand Mean Sample X80: 7.0546 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

WebCode	Data Flag	Sample T79			Sample T80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
1K72YN		1.19150	0.00078	0.37	1.18363	0.00075	0.43	XX
1L9KDU		1.19150	0.00078	0.37	1.18157	-0.00131	-0.76	XX
1N5GED		1.19063	-0.00009	-0.04	1.18281	-0.00007	-0.04	XX
1Y558F		1.19267	0.00194	0.94	1.18390	0.00102	0.59	XX
26EEZF		1.18717	-0.00356	-1.71	1.18183	-0.00105	-0.60	XX
33LGLB		1.19190	0.00118	0.57	1.18480	0.00192	1.10	XX
3BKXWD		1.19277	0.00204	0.98	1.18470	0.00182	1.05	XX
3JVLf8	X	1.18333	-0.00739	-3.55	1.18000	-0.00288	-1.66	XX
43NUCJ		1.18893	-0.00179	-0.86	1.18293	0.00005	0.03	XX
44KPZL		1.19283	0.00211	1.02	1.18523	0.00235	1.35	XX
48YHSR		1.19087	0.00014	0.07	1.18203	-0.00085	-0.49	XX
4BDDLA	*	1.18453	-0.00619	-2.98	1.17823	-0.00465	-2.67	XX
4V4SRE		1.19200	0.00128	0.61	1.18400	0.00112	0.64	XX
4WDE7M		1.19000	-0.00072	-0.35	1.18333	0.00045	0.26	XX
518YRR		1.18880	-0.00192	-0.92	1.18063	-0.00225	-1.29	XX
51KT34		1.19213	0.00141	0.68	1.18240	-0.00048	-0.28	XX
58V7MK		1.18783	-0.00289	-1.39	1.18187	-0.00101	-0.58	XX
5LC8VZ		1.19253	0.00181	0.87	1.18457	0.00169	0.97	XX
5WN9WZ	*	1.18570	-0.00502	-2.42	1.17847	-0.00441	-2.54	XX
7E3GWM		1.18880	-0.00192	-0.92	1.18073	-0.00215	-1.24	XX
7K7M2R		1.19240	0.00168	0.81	1.18310	0.00022	0.13	XX
7PYTCU		1.19167	0.00094	0.45	1.18367	0.00079	0.45	XX
81ZLZ6		1.18800	-0.00272	-1.31	1.18100	-0.00188	-1.08	XX
8ANASZ		1.19033	-0.00039	-0.19	1.18267	-0.00021	-0.12	XX
92F13X		1.19170	0.00098	0.47	1.18413	0.00125	0.72	XX
9ATX6H		1.19217	0.00144	0.69	1.18407	0.00119	0.68	XX
9BPECY		1.18827	-0.00246	-1.18	1.18060	-0.00228	-1.31	XX
9GD3WB		1.19077	0.00004	0.02	1.18113	-0.00175	-1.01	XX
9V74F5		1.18967	-0.00106	-0.51	1.18167	-0.00121	-0.70	XX
9ZSMQT		1.19177	0.00104	0.50	1.18243	-0.00045	-0.26	XX
AFQPLY		1.19160	0.00088	0.42	1.18337	0.00049	0.28	XX
AK1S82		1.19017	-0.00056	-0.27	1.18393	0.00105	0.61	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T79			Sample T80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
AXDFR5		1.19457	0.00384	1.85	1.18573	0.00285	1.64	XX
B22UR6		1.19200	0.00128	0.61	1.18500	0.00212	1.22	XX
BE6PY4		1.19000	-0.00072	-0.35	1.18327	0.00039	0.22	XX
BSU8JR	X	1.16657	-0.02416	-11.62	1.16340	-0.01948	-11.21	XX
BZEBQ8		1.19113	0.00041	0.20	1.18187	-0.00101	-0.58	XX
C4SY6P		1.19190	0.00118	0.57	1.18293	0.00005	0.03	XX
CK2UMK	X	1.18283	-0.00789	-3.79	1.17647	-0.00641	-3.69	XX
CRNRCD		1.19120	0.00048	0.23	1.18210	-0.00078	-0.45	XX
CTYC97		1.19100	0.00028	0.13	1.18400	0.00112	0.64	XX
D9V9KQ		1.19180	0.00108	0.52	1.18427	0.00139	0.80	XX
DLB3D3		1.18990	-0.00082	-0.40	1.18170	-0.00118	-0.68	XX
DXV7UE		1.19200	0.00128	0.61	1.18400	0.00112	0.64	XX
E3ZCBR	X	1.08637	-0.10436	-50.20	1.07810	-0.10478	-60.28	XX
F6GU4P		1.19067	-0.00006	-0.03	1.18300	0.00012	0.07	XX
FJDAD5		1.19223	0.00151	0.73	1.18193	-0.00095	-0.55	XX
FP91WN		1.19157	0.00084	0.41	1.18487	0.00199	1.14	XX
FR9UFR		1.19287	0.00214	1.03	1.18470	0.00182	1.05	XX
G18GSP	X	1.18623	-0.00449	-2.16	1.17707	-0.00581	-3.35	XX
G1BDLE		1.19233	0.00161	0.77	1.18510	0.00222	1.28	XX
G66U25		1.19097	0.00024	0.12	1.18280	-0.00008	-0.05	XX
GRP4YW		1.19153	0.00081	0.39	1.18333	0.00045	0.26	XX
GTJ6W7		1.19190	0.00118	0.57	1.18430	0.00142	0.82	XX
H3PSYL	X	1.21340	0.02268	10.91	1.18313	0.00025	0.15	XX
H53ZQ7		1.18800	-0.00272	-1.31	1.18133	-0.00155	-0.89	XX
J7MH6C		1.18903	-0.00169	-0.81	1.18203	-0.00085	-0.49	XX
JJAMZ9		1.19110	0.00038	0.18	1.18380	0.00092	0.53	XX
JSYKPW		1.19070	-0.00002	-0.01	1.18270	-0.00018	-0.10	XX
JU7UCK		1.18893	-0.00179	-0.86	1.18063	-0.00225	-1.29	XX
KCQZWV		1.18683	-0.00389	-1.87	1.18023	-0.00265	-1.52	XX
KEGBUQ		1.19213	0.00141	0.68	1.18450	0.00162	0.93	XX
KFVRDH		1.18567	-0.00506	-2.43	1.17900	-0.00388	-2.23	XX
L5B6LY		1.18913	-0.00159	-0.76	1.18103	-0.00185	-1.06	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T79			Sample T80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
L68NUF		1.19200	0.00128	0.61	1.18453	0.00165	0.95	XX
LBQCKP		1.19093	0.00021	0.10	1.18453	0.00165	0.95	XX
LRKQ2T		1.19410	0.00338	1.62	1.18613	0.00325	1.87	XX
LT9Z4S		1.19290	0.00218	1.05	1.18480	0.00192	1.10	XX
LTWA53	X	1.18113	-0.00959	-4.61	1.17233	-0.01055	-6.07	XX
LVLXJC	X	1.14067	-0.05006	-24.08	1.13633	-0.04655	-26.78	XX
M5CQEY	*	1.19383	0.00311	1.50	1.18283	-0.00005	-0.03	XX
M69941		1.18890	-0.00182	-0.88	1.18183	-0.00105	-0.60	XX
MCLJT3		1.19443	0.00371	1.79	1.18410	0.00122	0.70	XX
N7ZQ38		1.19057	-0.00016	-0.07	1.18200	-0.00088	-0.51	XX
NLJV74		1.19217	0.00144	0.69	1.18440	0.00152	0.87	XX
NRNYHB		1.19133	0.00061	0.29	1.18300	0.00012	0.07	XX
P78QEQ		1.19140	0.00068	0.33	1.18240	-0.00048	-0.28	XX
PQN4RR		1.19450	0.00378	1.82	1.18493	0.00205	1.18	XX
Q33MLF	*	1.18890	-0.00182	-0.88	1.17903	-0.00385	-2.21	XX
Q627ZX		1.19240	0.00168	0.81	1.18550	0.00262	1.51	XX
QJR3C3		1.19173	0.00101	0.49	1.18287	-0.00001	-0.01	XX
RNSSVX		1.19243	0.00171	0.82	1.18470	0.00182	1.05	XX
SA9AV3		1.18687	-0.00386	-1.85	1.17993	-0.00295	-1.70	XX
T5NZ61		1.19127	0.00054	0.26	1.18350	0.00062	0.36	XX
TL2AVK		1.19280	0.00208	1.00	1.18323	0.00035	0.20	XX
UJHQG4		1.18867	-0.00206	-0.99	1.18067	-0.00221	-1.27	XX
USN8LA		1.18883	-0.00189	-0.91	1.18110	-0.00178	-1.02	XX
V4VK9M		1.19134	0.00061	0.30	1.18576	0.00288	1.66	XX
V56HEB		1.18687	-0.00386	-1.85	1.18097	-0.00191	-1.10	XX
V5GZ9A		1.18927	-0.00146	-0.70	1.18287	-0.00001	-0.01	XX
VJUGL6		1.19063	-0.00009	-0.04	1.18333	0.00045	0.26	XX
VN9ATY		1.19120	0.00048	0.23	1.18287	-0.00001	-0.01	XX
VVA38D		1.18750	-0.00322	-1.55	1.18067	-0.00221	-1.27	XX
VXSFH5		1.19240	0.00168	0.81	1.18457	0.00169	0.97	XX
WS1JEX		1.18943	-0.00129	-0.62	1.18157	-0.00131	-0.76	XX

Analysis 718
Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T79			Sample T80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
X2E4VK		1.19383	0.00311	1.50	1.18643	0.00355	2.04	XX
X6AW1Q	*	1.19287	0.00214	1.03	1.18163	-0.00125	-0.72	XX
Y21RC7	*	1.18650	-0.00422	-2.03	1.18177	-0.00111	-0.64	XX
YK2JCN		1.19190	0.00118	0.57	1.18497	0.00209	1.20	XX
YSB9B8		1.18937	-0.00136	-0.65	1.18307	0.00019	0.11	XX
ZE6B7J	X	1.18573	-0.00499	-2.40	1.18217	-0.00071	-0.41	XX
ZH28K6		1.19097	0.00024	0.12	1.18330	0.00042	0.24	XX
ZZLXNM		1.19017	-0.00056	-0.27	1.18143	-0.00145	-0.83	XX

Summary Statistics	
Grand Means	
1.190722 sp gr 23/23 C	1.182881 sp gr 23/23 C
Std Dev Btwn Labs	
0.002079 sp gr 23/23 C	0.001738 sp gr 23/23 C
Statistics based on 94 of 103 reporting participants	

Sample T79: ABS/PC & Sample T80: ABS/PC

Comments on assigned Data Flags for Test #718

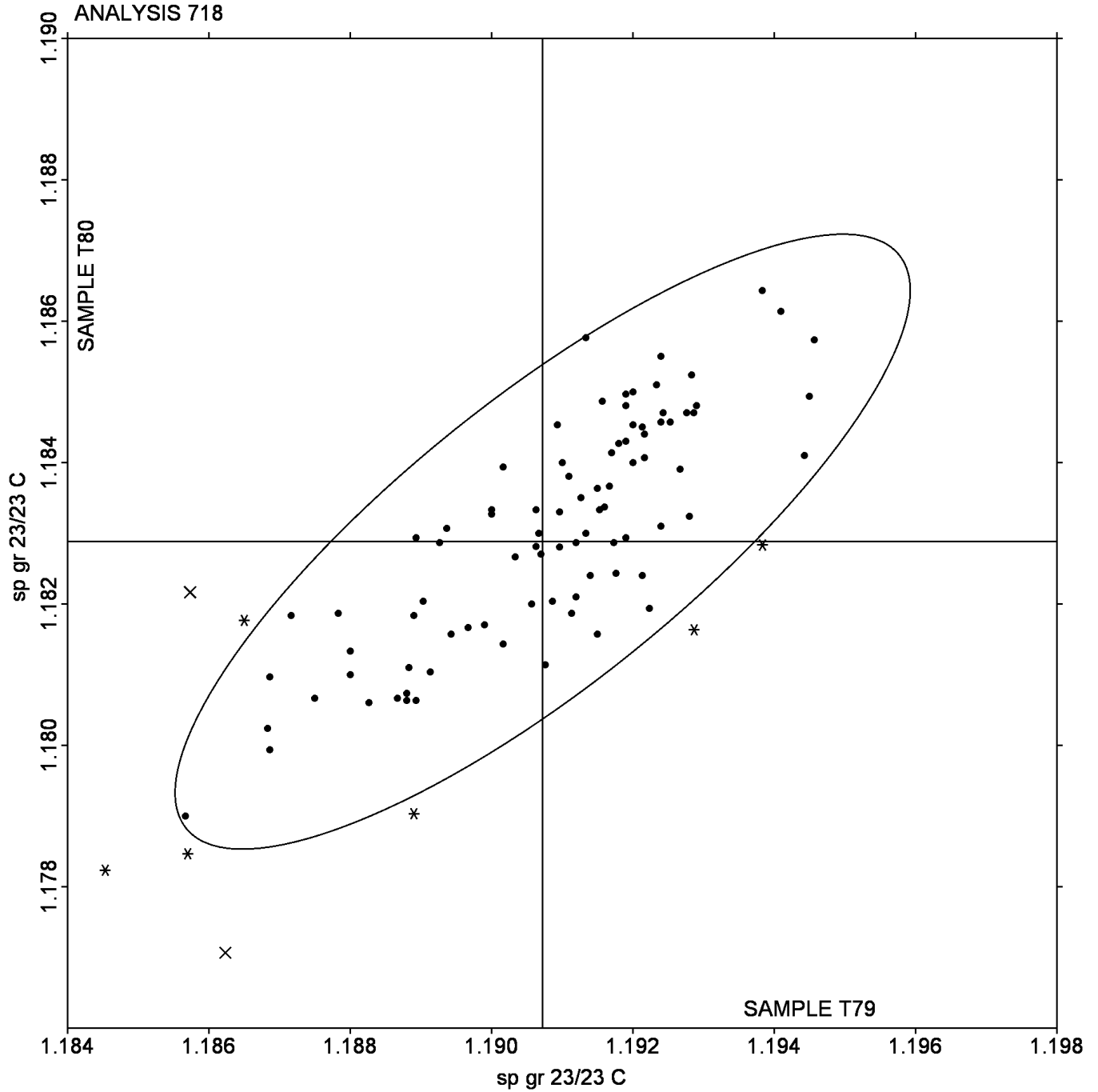
- 3JVL8 (X) - Inconsistent in testing between samples, data for Sample T79 are low.
- BSU8JR (X) - Data for both samples are low. Also inconsistent in testing within Sample T79.
- CK2UMK (X) - Data for both samples are low. Possible Systematic Error.
- E3ZCBR (X) - Data for both samples are low.
- G18GSP (X) - Inconsistent in testing between samples, data for Sample T80 are low.
- H3PSYL (X) - Inconsistent in testing between samples, data for Sample T79 are high. Also inconsistent in testing within both sample sets.
- LTWA53 (X) - Data for both samples are low.
- LVLXJC (X) - Data for both samples are low.
- ZE6B7J (X) - Inconsistent in testing between samples.

Instrument Code List as Reported by the Labs

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

Analysis 718
Specific Gravity - sp gr 23/23 C

Grand Mean Sample T79: 1.1907 sp gr 23/23 C Grand Mean Sample T80: 1.1829 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 L79			Sample L80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
1BFHQW		15.050	-0.089	-1.08	17.550	-0.312	-1.91	XX
21WPDM		15.095	-0.044	-0.54	17.800	-0.062	-0.38	XX
28JYRG		15.085	-0.054	-0.66	17.565	-0.297	-1.82	XX
2NL2K9		15.040	-0.099	-1.20	17.830	-0.032	-0.19	XX
3SPH5R		15.180	0.041	0.49	18.120	0.258	1.58	XX
4GQ31H		15.050	-0.089	-1.08	17.705	-0.157	-0.96	XX
4PTS6H		15.085	-0.054	-0.66	18.000	0.138	0.85	XX
58S5M9		15.157	0.018	0.22	18.002	0.141	0.86	XX
5SAE58		15.170	0.031	0.37	17.830	-0.032	-0.19	XX
66P4EV		15.199	0.060	0.72	17.780	-0.082	-0.50	XX
72K6P4		15.085	-0.054	-0.66	17.755	-0.107	-0.65	XX
7894EZ	X	13.700	-1.439	-17.44	18.275	0.413	2.53	XX
7MERTU		15.175	0.036	0.43	17.900	0.038	0.24	XX
7RUGYP	X	15.135	-0.004	-0.05	19.560	1.698	10.41	XX
A27D1X		15.175	0.036	0.43	17.865	0.003	0.02	XX
A8AURC		15.205	0.066	0.80	17.820	-0.042	-0.25	XX
ADKMST		15.075	-0.064	-0.78	17.930	0.068	0.42	XX
BD3AU3		15.220	0.081	0.98	17.885	0.023	0.14	XX
BZGLQB		15.205	0.066	0.80	17.895	0.033	0.21	XX
BZKZJT		15.045	-0.094	-1.14	17.670	-0.192	-1.17	XX
CBXKJC		15.085	-0.054	-0.66	17.495	-0.367	-2.25	XX
CGREJL		15.130	-0.009	-0.11	17.840	-0.022	-0.13	XX
F7MP5Z		15.175	0.036	0.43	18.120	0.258	1.58	XX
FHN381		14.991	-0.148	-1.80	17.718	-0.144	-0.88	XX
G9QRN9		15.155	0.016	0.19	18.045	0.183	1.12	XX
GRTFWF		15.090	-0.049	-0.60	17.640	-0.222	-1.36	XX
HLE9DZ	X	13.730	-1.409	-17.08	17.615	-0.247	-1.51	XX
JCKBC7		15.275	0.136	1.65	17.990	0.128	0.79	XX
K4HRGP	*	15.044	-0.095	-1.16	18.187	0.326	2.00	XX
K9SRSU		15.180	0.041	0.49	18.030	0.168	1.03	XX
KYNTWE		14.965	-0.174	-2.11	17.870	0.008	0.05	XX
LBZUE9		15.165	0.026	0.31	18.005	0.143	0.88	XX

Plastics Interlaboratory Testing Program
Analysis 757
Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L79			Sample L80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
LR67DG		15.155	0.016	0.19	18.035	0.173	1.06	XX
LWYU42		15.150	0.011	0.13	17.650	-0.212	-1.30	XX
M2WBQK	*	14.885	-0.254	-3.08	17.760	-0.102	-0.62	XX
M47BXX		15.095	-0.044	-0.54	17.865	0.003	0.02	XX
M9A51H		15.070	-0.069	-0.84	17.740	-0.122	-0.74	XX
MKWLH2		15.215	0.076	0.92	17.995	0.133	0.82	XX
N34L63		15.097	-0.043	-0.52	17.894	0.032	0.20	XX
N77TVU		15.150	0.011	0.13	17.875	0.013	0.08	XX
PE56KG		15.215	0.076	0.92	17.785	-0.077	-0.47	XX
PFKDZW	X	15.585	0.445	5.40	19.377	1.515	9.28	XX
PRER2P		15.110	-0.029	-0.35	17.761	-0.101	-0.62	XX
QWHPWT		15.134	-0.005	-0.06	17.876	0.014	0.09	XX
RGXN9K		15.085	-0.054	-0.66	17.590	-0.272	-1.66	XX
RSW8VX		15.145	0.006	0.07	18.250	0.388	2.38	XX
RULNZF		15.195	0.056	0.68	17.980	0.118	0.73	XX
SKF7X3		15.160	0.021	0.25	17.940	0.078	0.48	XX
TFE7E3	X	14.810	-0.329	-3.99	17.665	-0.197	-1.20	XX
TGMBFE		15.220	0.081	0.98	17.915	0.053	0.33	XX
TK315C		15.230	0.091	1.10	17.980	0.118	0.73	XX
V9MSW3		15.295	0.156	1.89	17.690	-0.172	-1.05	XX
VUKZJC		15.210	0.071	0.86	17.985	0.123	0.76	XX
WDJRRT		15.050	-0.089	-1.08	17.760	-0.102	-0.62	XX
XXWF54	*	15.295	0.156	1.89	17.650	-0.212	-1.30	XX
Y4EN8H		15.190	0.051	0.62	17.930	0.068	0.42	XX
Y8BW8U		15.225	0.086	1.04	17.920	0.058	0.36	XX
YQXTV7		15.250	0.110	1.34	17.995	0.134	0.82	XX

Plastics Interlaboratory Testing Program
Analysis 757
Ash Content in Thermoplastics - Percent

Summary Statistics

Grand Means	15.1392 Percent	17.8615 Percent
Std Dev Btwn Labs	0.0825 Percent	0.1632 Percent
Statistics based on 53 of 58 reporting participants		

Sample L79: PBT & Sample L80: PBT

Comments on assigned Data Flags for Test #757

7894EZ (X) - Data for Sample L79 are low.

7RUGYP (X) - Data for Sample L80 are high. Also inconsistent in testing within Sample L80.

HLE9DZ (X) - Data for Sample L79 are low. Also inconsistent in testing within Sample L79.

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

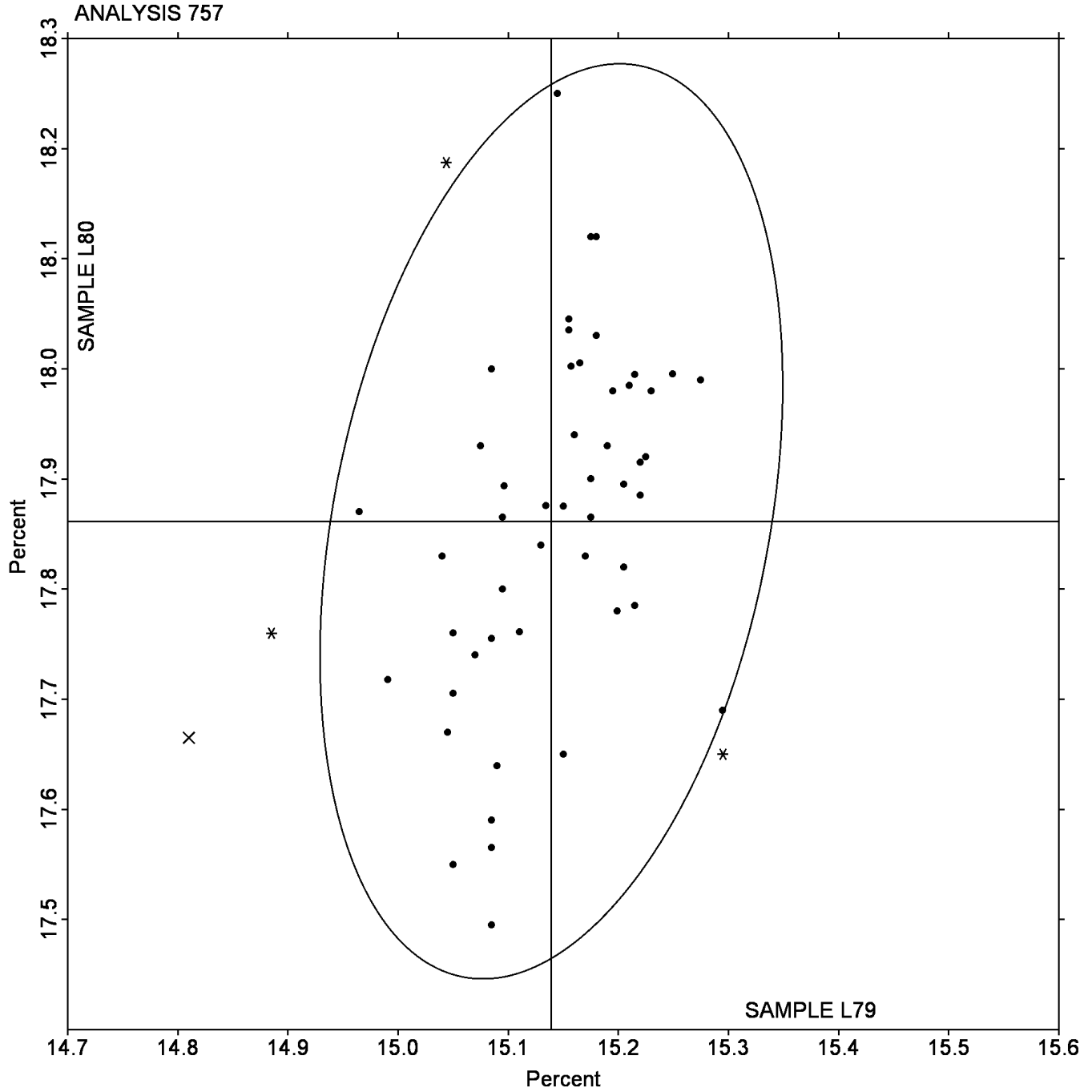
TFE7E3 (X) - Data for Sample L79 are low.

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 L79: 15.139 Percent Grand Mean Sample L80: 17.862 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 B79			Sample B80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
43UGXR		2,237	62	0.23	2,287	74	0.26	UC
6MXZ5Y		2,122	-53	-0.20	2,116	-97	-0.34	IN
926XXY		2,229	54	0.20	2,317	105	0.37	XX
APAL1L		2,297	123	0.46	2,345	132	0.46	TH
B41ZNT		2,498	323	1.22	2,448	235	0.83	TH
CBZD81		2,261	87	0.33	2,408	195	0.68	IN
D2KVZK		2,231	57	0.21	2,372	159	0.56	IN
DNDM1W		2,278	104	0.39	2,339	126	0.44	IN
GQZRDM		2,360	185	0.70	2,363	150	0.53	XX
KFSDH9		2,277	103	0.39	2,390	177	0.62	IM
LB2ZUS		2,434	259	0.98	2,453	240	0.84	IN
LD3P2T		2,163	-11	-0.04	2,240	28	0.10	SH
LX8B97		1,682	-492	-1.86	1,656	-557	-1.95	MT
NQ729D		1,688	-486	-1.84	1,677	-536	-1.88	IM
Q8B9WW		2,316	142	0.54	2,347	134	0.47	XX
Q8DN2P	*	1,450	-724	-2.74	1,431	-781	-2.74	IN
QP762L		2,274	99	0.38	2,334	121	0.43	IN
QVQLJW		2,331	156	0.59	2,279	66	0.23	IN
SBKH8D		2,296	121	0.46	2,289	76	0.27	TY
UU675S		2,295	121	0.46	2,390	177	0.62	IN
ZRK7UB		1,946	-229	-0.86	1,988	-225	-0.79	IN

Summary Statistics			
Grand Means	2,174.5	psi	2,212.8
Std Dev Btwn Labs	264.8	psi	284.9
Statistics based on 21 of 21 reporting participants			

Sample B79: LDPE & Sample B80: LDPE

Plastics Interlaboratory Testing Program
Analysis 770
Tensile Stress at Yield, Film Samples - psi

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(MT) - MTS/Sintech

(TH) - Thwing Albert

(UC) - United

(IN) - Instron

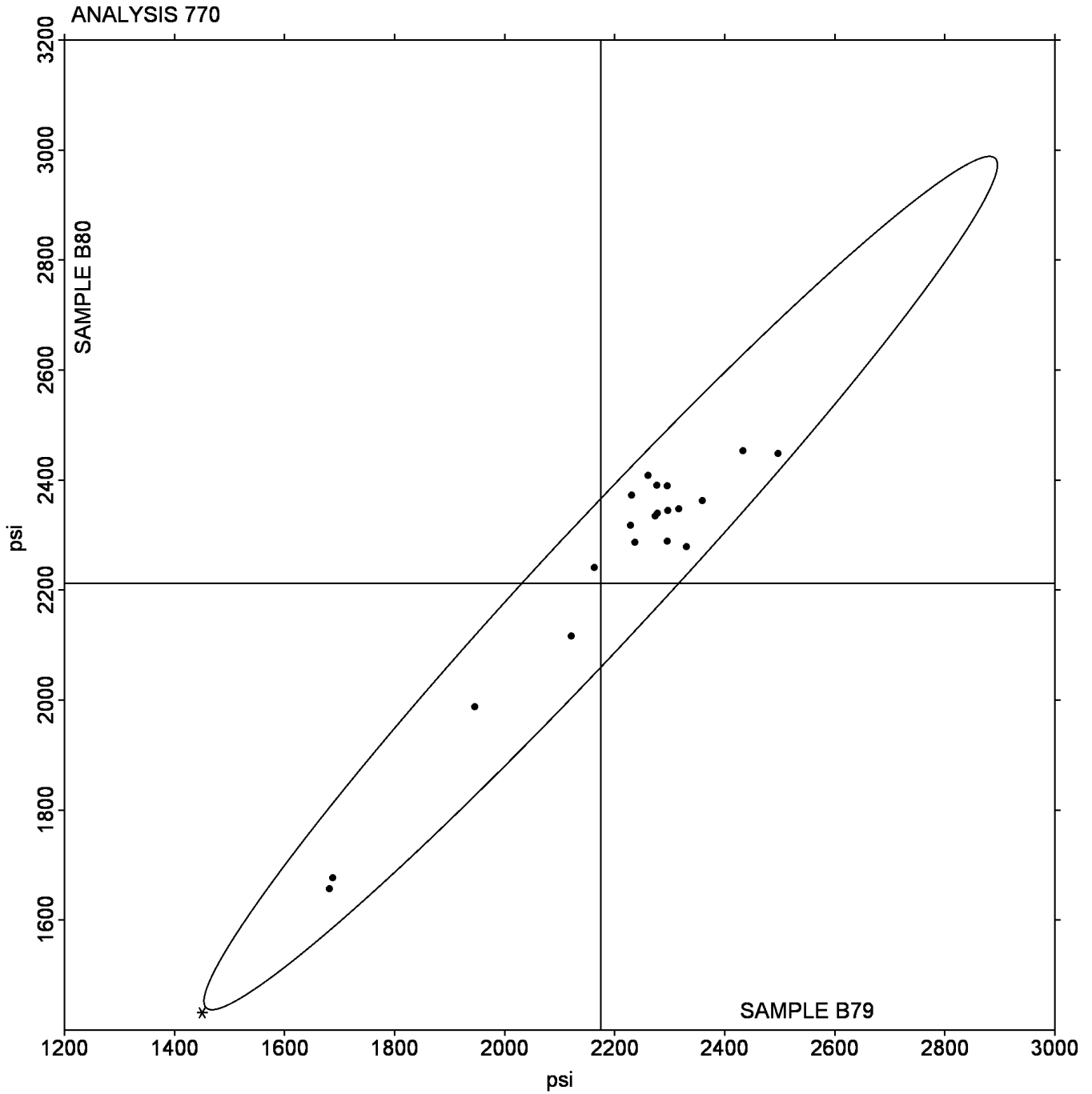
(SH) - Shimadzu

(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 B79: 2,174.49 psi Grand Mean Sample B80: 2,212.77 psi



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

Analysis 771

Tensile Stress at Break, Film Samples - psi

WebCode	Data Flag	Sample B79			Sample B80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
171ZJE		4,122	437	1.43	4,222	443	1.54	IN
1GL5ET		3,394	-291	-0.95	3,476	-303	-1.06	UC
24FQAU		3,740	55	0.18	3,826	46	0.16	TH
2N94TJ		3,637	-48	-0.16	3,788	9	0.03	IN
3BGPRJ		3,894	209	0.69	3,804	24	0.08	IN
4M2RYU		3,581	-104	-0.34	3,597	-183	-0.64	IN
5V7SCZ		4,231	546	1.79	4,176	396	1.38	TY
74JTH8		3,435	-251	-0.82	3,470	-310	-1.08	MT
7BVY6Y		3,300	-385	-1.26	3,511	-268	-0.94	IN
8WR36F		3,340	-345	-1.13	3,366	-413	-1.44	IN
973M46		4,000	315	1.03	4,063	284	0.99	IN
9A59G1		3,873	188	0.62	4,042	262	0.91	IN
AQXNLV		3,878	193	0.63	4,007	228	0.79	XX
C8ZZY1		3,401	-284	-0.93	3,579	-200	-0.70	IN
CDTYEX		3,737	52	0.17	3,946	166	0.58	IN
DGQAQH		3,922	237	0.78	4,079	300	1.04	IM
FCJU75		3,762	76	0.25	3,903	124	0.43	HO
GLU8SL		3,467	-218	-0.72	3,640	-139	-0.49	IM
M5FY9D		4,387	702	2.30	4,341	561	1.96	TH
MM3XDZ		3,267	-418	-1.37	3,454	-326	-1.14	XX
PEJ86L		3,737	52	0.17	3,558	-222	-0.77	XX
X6KH7H		3,220	-465	-1.52	3,345	-434	-1.52	SH
X7HNNC		3,990	305	1.00	4,083	303	1.06	IN
Y3PX3D		3,485	-200	-0.65	3,478	-302	-1.05	IN
YJ6MW1		3,601	-84	-0.27	3,543	-237	-0.83	XX
ZDHH1Y	*	3,430	-255	-0.84	3,940	160	0.56	IN
ZZHBVM		3,666	-19	-0.06	3,810	31	0.11	TO

Plastics Interlaboratory Testing Program
Analysis 771
Tensile Stress at Break, Film Samples - psi

Summary Statistics

Grand Means

3,685.1 psi

3,779.5 psi

Std Dev Btwn Labs

305.2 psi

286.8 psi

Statistics based on 27 of 27 reporting participants

Sample B79: LDPE & Sample B80: LDPE

Instrument Code List as Reported by the Labs

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(TO) - Tinius Olsen

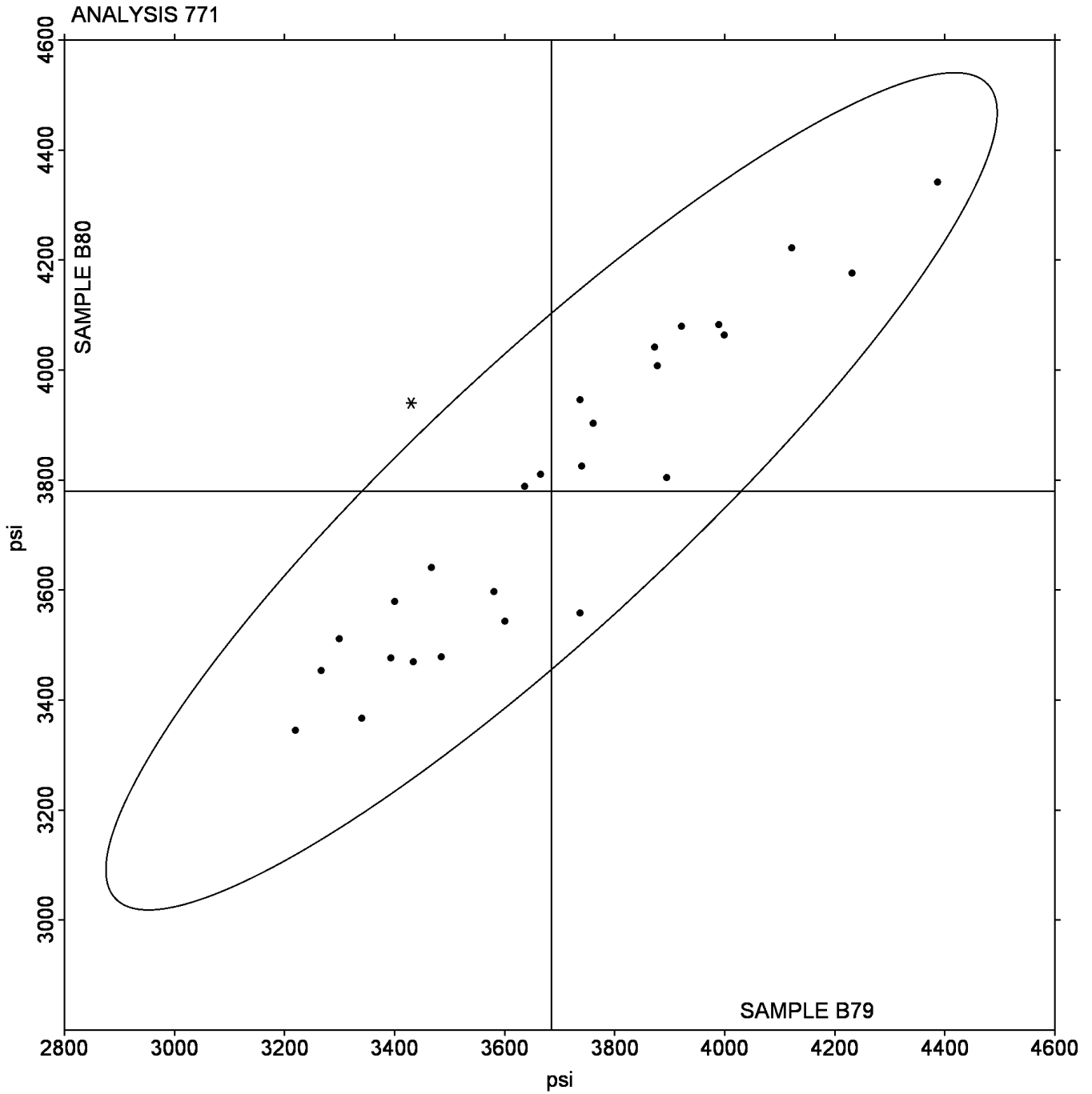
(TY) - Toyoseiki

(UC) - United

(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program
Analysis 771
Tensile Stress at Break, Film Samples - psi

Grand Mean Sample B79: 3,685.13 psi Grand Mean Sample B80: 3,779.54 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 B79			Sample B80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
8ZDLDW		102.88	10.82	0.35	115.08	15.17	0.44	XX
9UKWKW		116.70	24.64	0.80	128.32	28.41	0.82	IN
AURF9C		108.88	16.82	0.55	121.23	21.32	0.62	IN
BFF8Q7		115.66	23.60	0.77	123.17	23.26	0.67	XX
BQ77HJ		92.79	0.73	0.02	100.52	0.61	0.02	IM
FEJJ4J		86.37	-5.69	-0.18	97.28	-2.63	-0.08	IN
FJMANZ		136.34	44.28	1.44	147.33	47.42	1.37	IN
FPZETM		22.51	-69.55	-2.26	21.78	-78.13	-2.26	IM
K7ZKBU		109.79	17.73	0.58	117.52	17.61	0.51	SH
KDWW1F		101.18	9.12	0.30	103.59	3.68	0.11	TH
LEQK2V	X	10.75	-81.31	-2.64	10.68	-89.23	-2.59	MT
NQ9GKJ		84.96	-7.10	-0.23	95.08	-4.83	-0.14	IN
P72XSK		85.60	-6.46	-0.21	91.66	-8.25	-0.24	XX
PAYFR2		114.30	22.24	0.72	122.80	22.89	0.66	UC
V8KQHB		30.69	-61.37	-1.99	30.29	-69.62	-2.02	IN
ZN57RB		55.62	-36.44	-1.18	59.42	-40.49	-1.17	IN
ZUZYGH		117.56	25.50	0.83	133.54	33.63	0.97	IN
ZVM5GA		83.15	-8.91	-0.29	89.90	-10.01	-0.29	IN

Summary Statistics

Grand Means

92.058 Percent

99.912 Percent

Std Dev Btwn Labs

30.825 Percent

34.505 Percent

Statistics based on 17 of 18 reporting participants

Sample B79: LDPE & Sample B80: LDPE

Comments on assigned Data Flags for Test #772

LEQK2V (X) - Data for both samples are low.

Analysis 772

Percent Elongation at Yield, Films

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(MT) - MTS/Sintech

(SH) - Shimadzu

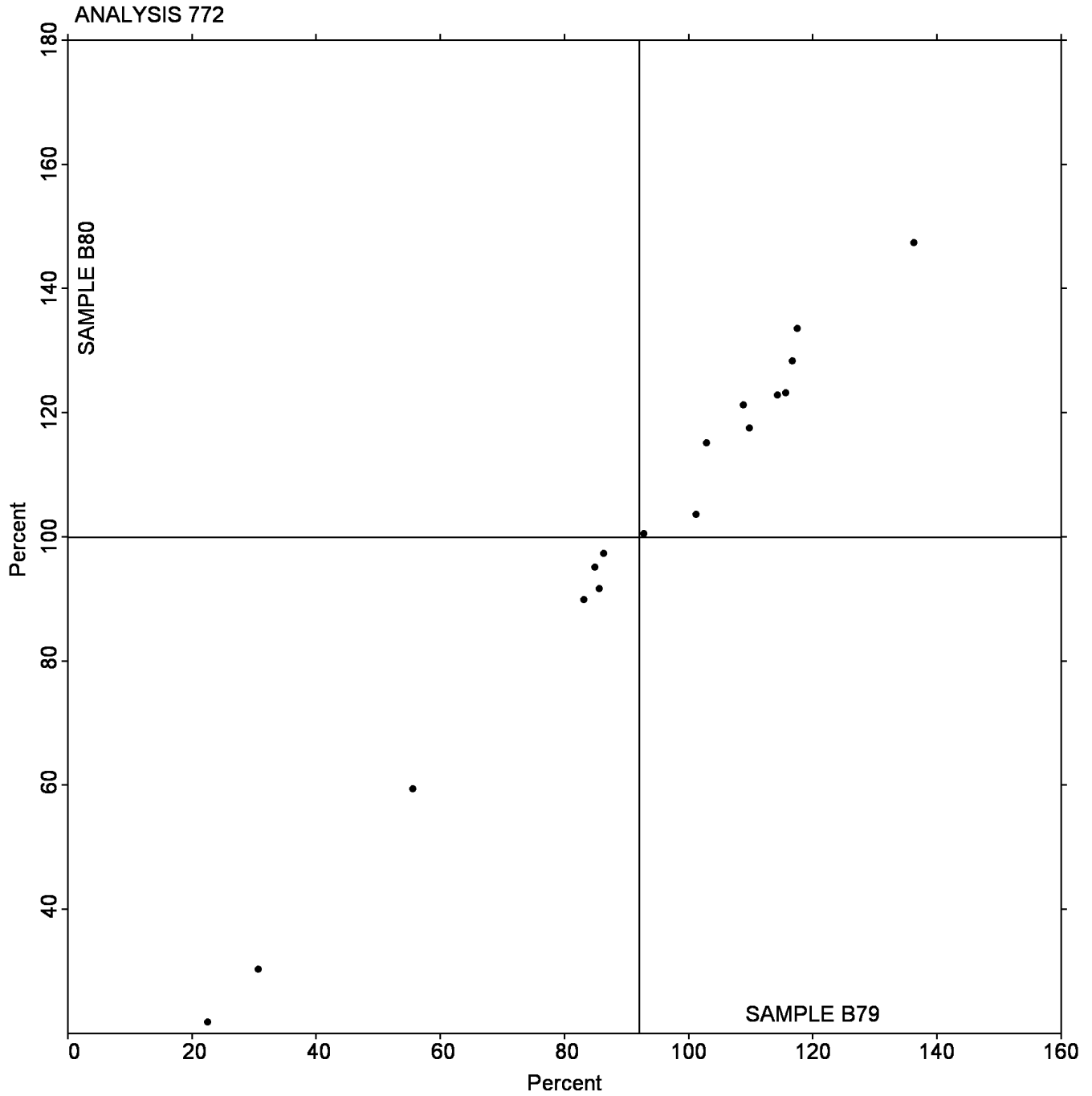
(TH) - Thwing Albert

(UC) - United

(XX) - Instrument manufacturer not specified by lab

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

Grand Mean Sample B79: 92.058 Percent Grand Mean Sample B80: 99.912 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 B79			Sample B80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
111VUX		574.4	-106.5	-0.76	589.7	-89.0	-0.66	TH
33QF4H		607.1	-73.8	-0.53	623.0	-55.7	-0.41	IN
3758AK		708.3	27.4	0.20	751.1	72.4	0.54	XX
3MJMP8		674.3	-6.6	-0.05	678.9	0.2	0.00	IN
6DTUGF		816.1	135.2	0.97	782.8	104.1	0.77	IN
72MFJU	*	733.2	52.4	0.38	814.9	136.2	1.01	XX
8NEDDL		552.0	-128.9	-0.92	551.0	-127.7	-0.94	IN
9GXVW3		997.0	316.1	2.27	942.2	263.5	1.95	IN
9MN7YW		637.8	-43.0	-0.31	599.8	-78.9	-0.58	XX
9RH1TF		772.0	91.1	0.65	762.2	83.5	0.62	XX
ASE3NG		724.4	43.5	0.31	725.4	46.7	0.35	IM
DJWVF3		513.5	-167.4	-1.20	490.4	-188.3	-1.39	HO
FK15GZ		691.2	10.3	0.07	684.3	5.6	0.04	IM
FKTP17		758.6	77.7	0.56	795.5	116.8	0.86	XX
FW3VRS		554.3	-126.5	-0.91	551.8	-126.8	-0.94	IN
HZALPC		900.5	219.6	1.57	825.6	146.9	1.09	XX
J9BVRM		658.8	-22.1	-0.16	685.5	6.8	0.05	IN
K4PSSR		415.2	-265.7	-1.90	402.0	-276.7	-2.04	IN
KFRVKT		495.2	-185.6	-1.33	495.1	-183.6	-1.36	MT
KMLZ4E		660.7	-20.2	-0.14	618.0	-60.7	-0.45	IN
MHE32J		597.6	-83.2	-0.60	582.4	-96.3	-0.71	IN
R953RR		856.0	175.1	1.26	834.4	155.7	1.15	IN
S2GD8A		903.0	222.2	1.59	891.0	212.3	1.57	TH
TNK1VH		752.8	71.9	0.52	796.7	118.0	0.87	SH
VW41DZ		566.4	-114.5	-0.82	566.1	-112.6	-0.83	IN
WWZTSM		581.7	-99.2	-0.71	605.9	-72.8	-0.54	XX

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

Summary Statistics

Grand Means

680.85 Percent

678.68 Percent

Std Dev Btwn Labs

139.52 Percent

135.36 Percent

Statistics based on 26 of 26 reporting participants

Sample B79: LDPE & Sample B80: LDPE

Instrument Code List as Reported by the Labs

(HO) - Hounsfield Instruments

(IM) - Instru-Met Instruments

(IN) - Instron

(MT) - MTS/Sintech

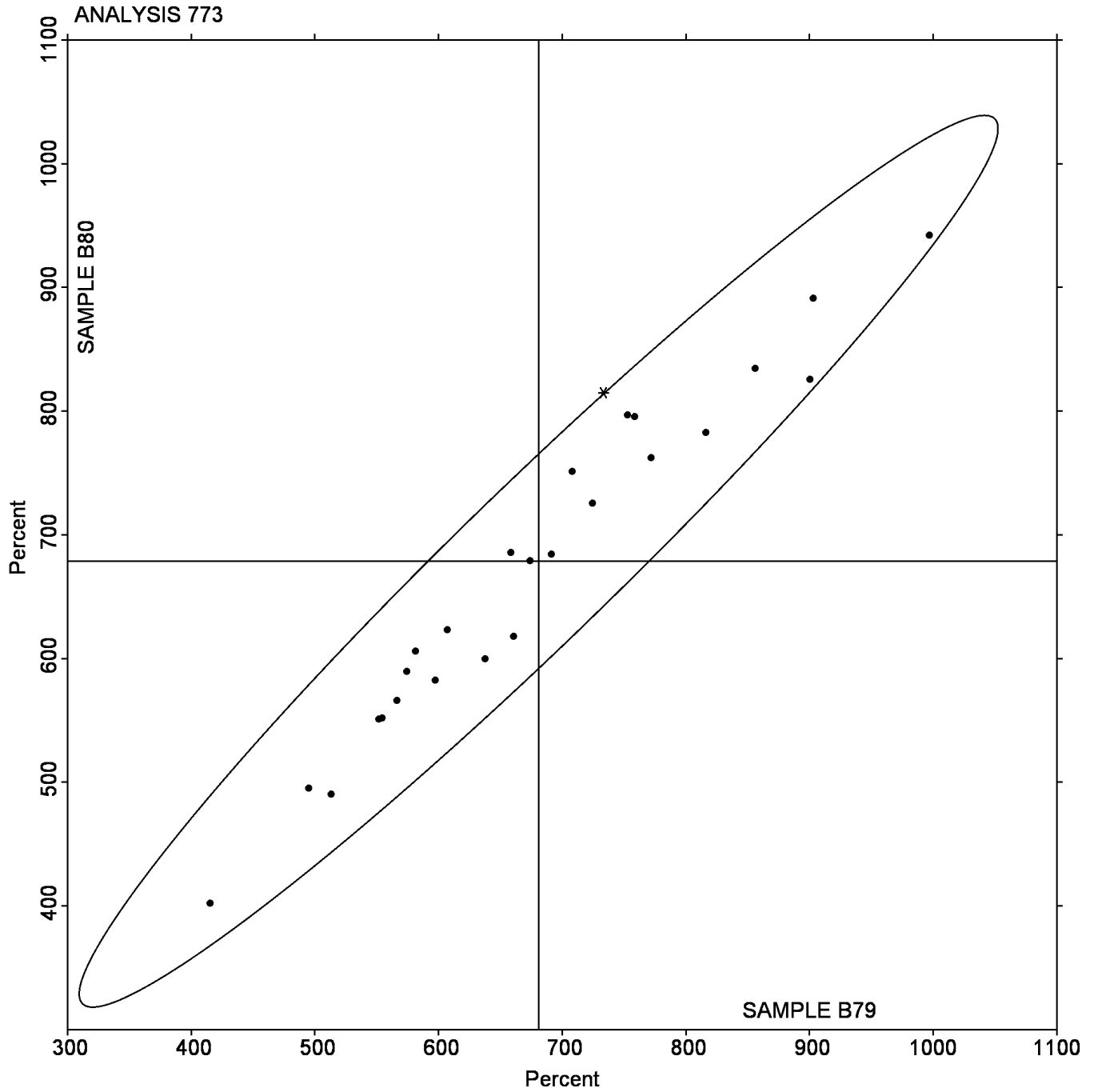
(SH) - Shimadzu

(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 B79: 680.85 Percent Grand Mean Sample B80: 678.68 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 B79			Sample B80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
3M57BP		3.8150	-0.0020	-0.02	3.8000	0.0468	0.59	XX
5MX4Z2		3.8583	0.0412	0.46	3.7913	0.0381	0.48	XX
65AJZF		3.8426	0.0255	0.29	3.8347	0.0815	1.03	XX
6NEHAA		3.8229	0.0059	0.07	3.6969	-0.0563	-0.71	XX
7W44RY		3.6220	-0.1950	-2.18	3.5827	-0.1705	-2.14	XX
8D4BTK		3.9600	0.1430	1.60	3.8300	0.0768	0.97	XX
A7QV2M		3.7650	-0.0520	-0.58	3.6900	-0.0632	-0.79	XX
A95Y8L		3.8700	0.0530	0.59	3.7500	-0.0032	-0.04	XX
AEFQCX		3.6400	-0.1770	-1.98	3.5500	-0.2032	-2.56	XX
B44JN3		3.7770	-0.0400	-0.45	3.6870	-0.0662	-0.83	XX
BWJ3SJ		3.7700	-0.0470	-0.53	3.7700	0.0168	0.21	XX
CVA3LY		3.8229	0.0059	0.07	3.7245	-0.0287	-0.36	XX
DZBXAY		3.6600	-0.1570	-1.75	3.6400	-0.1132	-1.42	XX
EAYHXE		3.8050	-0.0120	-0.13	3.7700	0.0168	0.21	XX
FCLVBG		3.8650	0.0480	0.54	3.7950	0.0418	0.53	XX
J82M14		3.8900	0.0730	0.81	3.8000	0.0468	0.59	XX
KNHFDR		3.9600	0.1430	1.60	3.8450	0.0918	1.15	XX
KXDDEQ		3.9173	0.1003	1.12	3.7480	-0.0052	-0.06	XX
LY29FT		3.9200	0.1030	1.15	3.8600	0.1068	1.34	XX
MRVJ6E		3.7100	-0.1070	-1.19	3.6600	-0.0932	-1.17	XX
NQNSBW		3.8800	0.0630	0.70	3.8300	0.0768	0.97	XX
P8JVEJ		3.8650	0.0480	0.54	3.7650	0.0118	0.15	XX
SCUAW8		3.7480	-0.0690	-0.77	3.7638	0.0106	0.13	XX
TGYNQY		3.9030	0.0860	0.96	3.7420	-0.0112	-0.14	XX
TJ8X6G		3.9174	0.1003	1.12	3.8938	0.1406	1.77	XX
W5FUJN		3.8180	0.0010	0.01	3.8180	0.0648	0.82	XX
WMPR6L		3.7520	-0.0650	-0.73	3.6840	-0.0692	-0.87	XX
XATY3Z		3.7430	-0.0740	-0.83	3.7190	-0.0342	-0.43	XX
XWMLHN		3.7360	-0.0810	-0.90	3.7530	-0.0002	0.00	XX
ZV9Z7X		3.8560	0.0390	0.43	3.8020	0.0488	0.61	XX

Plastics Interlaboratory Testing Program
Analysis 774
Thickness of Film Tensile Samples - mils

Summary Statistics	
Grand Means	
3.81705 mils	3.75319 mils
Std Dev Btwn Labs	
0.08960 mils	0.07952 mils
Statistics based on 30 of 30 reporting participants	

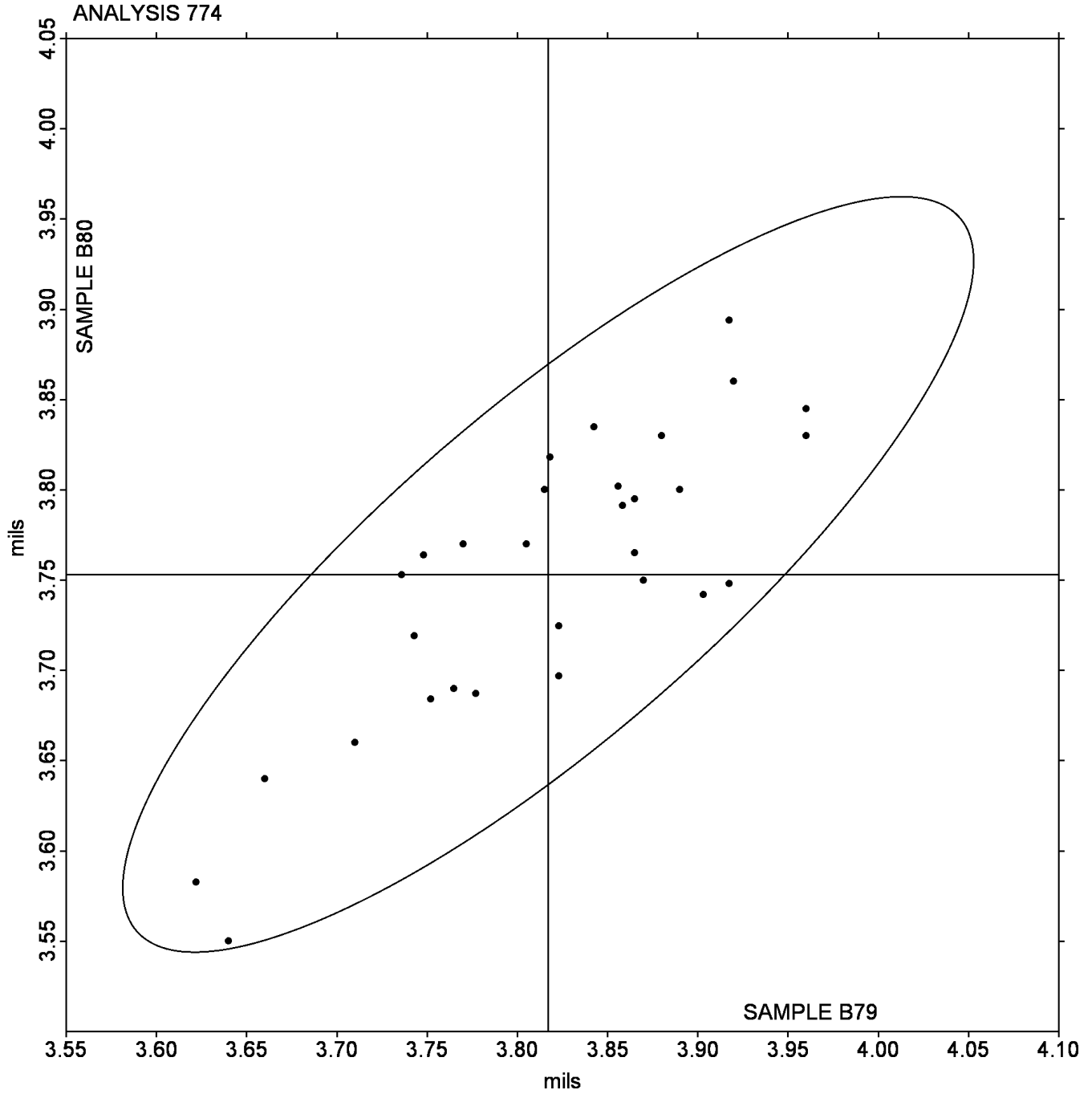
Sample B79: LDPE & Sample B80: LDPE

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 B79: 3.8170 mils Grand Mean Sample B80: 3.7532 mils

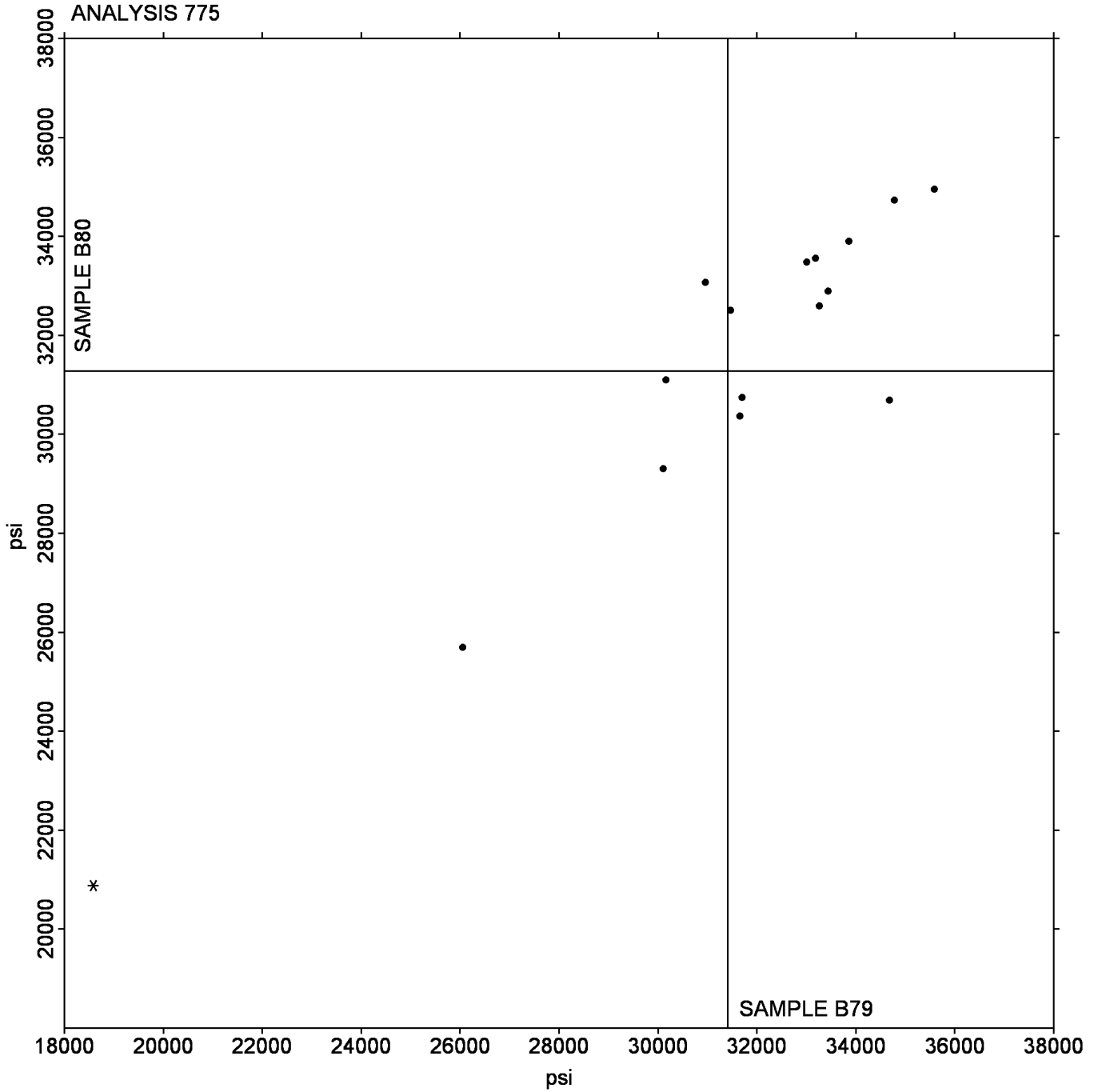


If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Analysis 775

Secant Modulus at 1% Strain - psi

Grand Mean Sample B79: 31,410.64 psi Grand Mean Sample B80: 31,276.73 psi



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

Analysis 776

Secant Modulus at 2% Strain - psi

WebCode	Data Flag	Sample B79			Sample B80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
8TPR9P		29,340	1,529	1.05	28,619	990	0.66	TH
993SVX		29,052	1,241	0.85	28,259	629	0.42	XX
JGMRE9		28,197	386	0.27	28,604	974	0.65	TH
JVU5SK		27,727	-84	-0.06	26,779	-851	-0.57	IN
LHCYTR		28,779	968	0.66	28,203	573	0.39	MT
M2EBVX		27,796	-15	-0.01	28,266	636	0.43	XX
NSTHE5		27,229	-582	-0.40	26,099	-1,530	-1.03	IN
PEPLX6		26,110	-1,701	-1.17	27,330	-299	-0.20	IN
R2E3M5		27,710	-101	-0.07	28,550	921	0.62	IN
R863FM		24,056	-3,754	-2.58	23,865	-3,765	-2.53	IN
SAZJHP		27,703	-107	-0.07	27,856	227	0.15	IM
XJAUEV		29,482	1,671	1.15	29,296	1,667	1.12	IM
XL5TXN		29,158	1,347	0.92	29,080	1,450	0.97	IN
ZCE8HJ		27,011	-800	-0.55	26,008	-1,621	-1.09	IN

Summary Statistics

Grand Means

27,810.6 psi

27,629.4 psi

Std Dev Btwn Labs

1,456.3 psi

1,488.3 psi

Statistics based on 14 of 14 reporting participants

Sample B79: LDPE & Sample B80: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

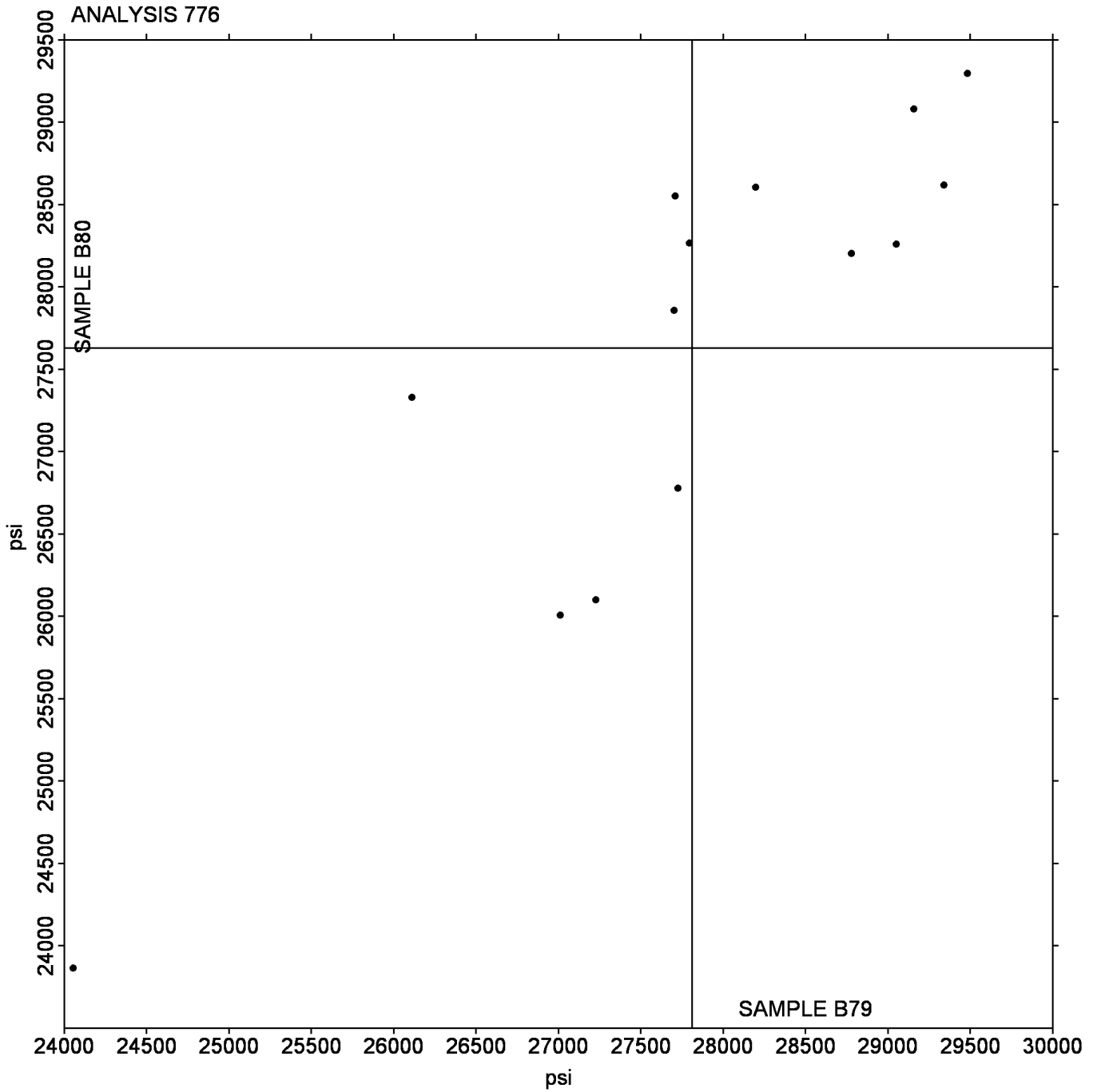
(MT) - MTS/Sintech

(TH) - Thwing Albert

(XX) - Instrument manufacturer not specified by lab

Analysis 776
Secant Modulus at 2% Strain - psi

Grand Mean Sample B79: 27,810.58 psi Grand Mean Sample B80: 27,629.42 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 P79			Sample P80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
2Z2MAX		0.1340	-0.0904	-2.21	0.1158	-0.0642	-1.83	IP
3AFH49		0.2304	0.0060	0.15	0.1860	0.0060	0.17	TH
5BEN2D		0.2708	0.0464	1.13	0.2132	0.0332	0.95	TH
6MLYP2		0.2330	0.0086	0.21	0.1894	0.0094	0.27	MT
7KZ1DC		0.2720	0.0476	1.16	0.2240	0.0440	1.26	MI
8DZZU3		0.2266	0.0022	0.05	0.2072	0.0272	0.78	MI
8Q4RZV		0.2252	0.0008	0.02	0.2098	0.0298	0.85	IS
AXQK1H		0.1754	-0.0490	-1.20	0.1516	-0.0284	-0.81	TN
BK1MJE		0.2480	0.0236	0.58	0.2320	0.0520	1.48	XX
FS7NCF		0.2254	0.0010	0.02	0.1730	-0.0070	-0.20	IG
GE3JYQ	X	0.5280	0.3036	7.42	0.2360	0.0560	1.60	KA
KT2HPV		0.1962	-0.0282	-0.69	0.1408	-0.0392	-1.12	TN
LYSZ59		0.2682	0.0438	1.07	0.2020	0.0220	0.63	IG
NT9GMQ	*	0.3000	0.0756	1.85	0.1720	-0.0080	-0.23	TL
R569M4		0.1922	-0.0322	-0.79	0.1556	-0.0244	-0.70	TH
SFNR38		0.2240	-0.0004	-0.01	0.2080	0.0280	0.80	SA
WFW417		0.1884	-0.0360	-0.88	0.1240	-0.0560	-1.60	TM
WZNB3G		0.2054	-0.0190	-0.46	0.1554	-0.0246	-0.70	TH

Summary Statistics			
Grand Means	0.22442	COF	0.17999
			COF
Std Dev Btwn Labs	0.04092	COF	0.03507
			COF
Statistics based on 17 of 18 reporting participants			

Sample P79: LDPE & Sample P80: LDPE

Comments on assigned Data Flags for Test #780

GE3JYQ (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program
Analysis 780
Coefficient of Static Friction

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron 5000 Series

(MI) - MTS Insight

(SA) - Shimadzu Autograph

(TL) - TMI #32-90

(TN) - TMI #32-06

(IP) - Instron 4000 Series

(KA) - Kayeness Inc.

(MT) - MTS Q-Test

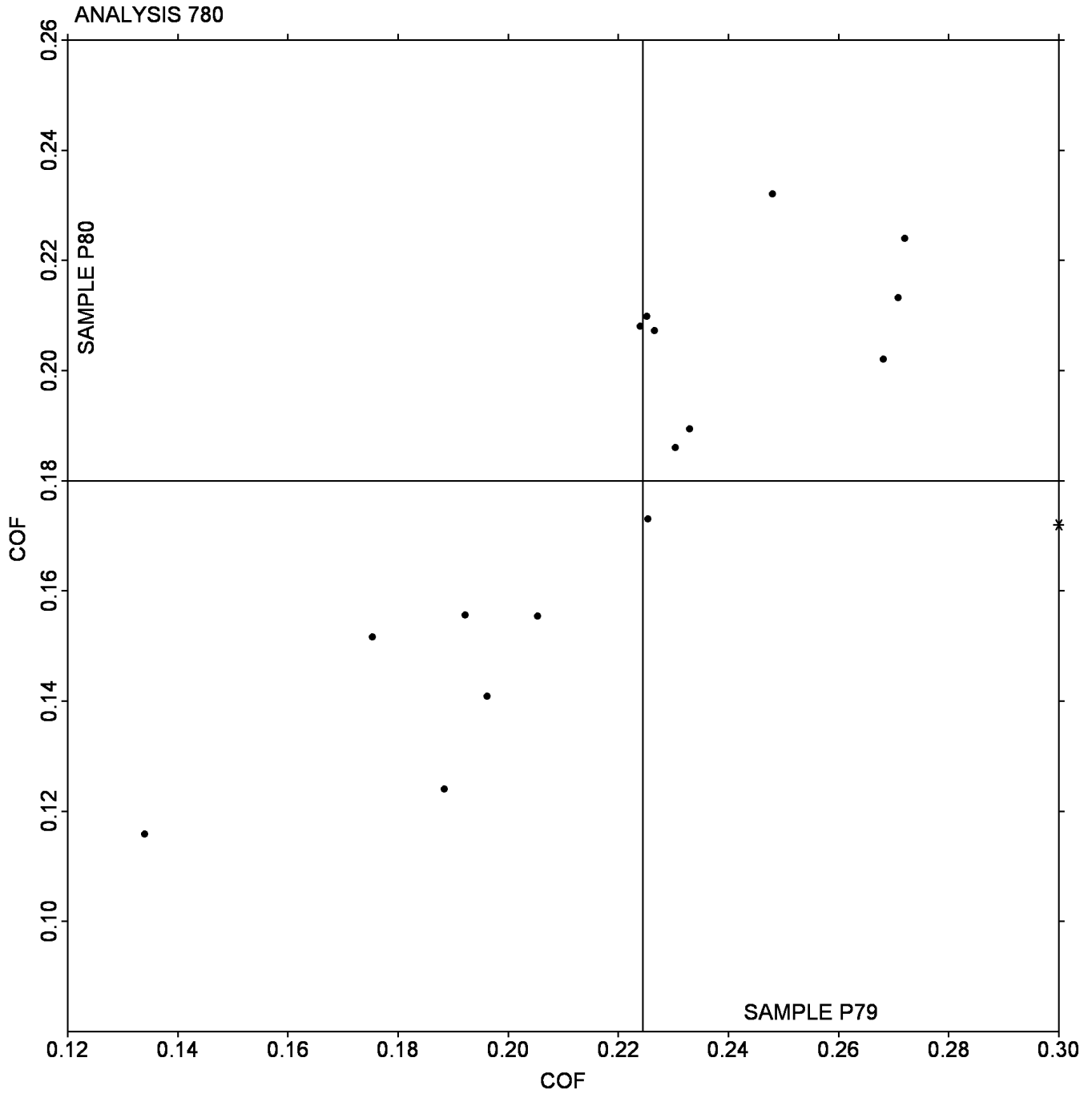
(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TM) - TMI Slip and Friction Tester Model 98

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

Plastics Interlaboratory Testing Program
Analysis 780
Coefficient of Static Friction

Grand Mean Sample P79: 0.22442 COF Grand Mean Sample P80: 0.17999 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 P79			Sample P80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
18275M		0.1760	0.0012	0.03	0.1860	0.0626	2.10	XX
1KWEWB		0.1276	-0.0472	-0.98	0.0842	-0.0392	-1.32	TH
4ZRNVE		0.1920	0.0172	0.36	0.1520	0.0286	0.96	MI
5YC4J2		0.1410	-0.0338	-0.70	0.1150	-0.0084	-0.28	TH
8R6V4Q		0.0788	-0.0960	-1.99	0.0642	-0.0592	-1.99	IP
8XHVM3		0.2238	0.0490	1.02	0.1264	0.0030	0.10	IG
A8ZJ17	*	0.3030	0.1282	2.66	0.1110	-0.0124	-0.42	KA
ASWP7E		0.1900	0.0152	0.32	0.1400	0.0166	0.56	TL
D8G8MV		0.1934	0.0186	0.39	0.1410	0.0176	0.59	MT
EDP97Q		0.1858	0.0110	0.23	0.1752	0.0518	1.74	IS
H2HEFW		0.1426	-0.0322	-0.67	0.1016	-0.0218	-0.73	TN
KN1Y6Y		0.1592	-0.0156	-0.32	0.1134	-0.0100	-0.34	TH
LEV7M7D		0.1940	0.0192	0.40	0.1440	0.0206	0.69	SA
PB3W95		0.1424	-0.0324	-0.67	0.1144	-0.0090	-0.30	TN
SXRF3E		0.2266	0.0518	1.08	0.1270	0.0036	0.12	MI
TXC1SA		0.1584	-0.0164	-0.34	0.1022	-0.0212	-0.71	TM
XPP17E		0.1376	-0.0372	-0.77	0.1114	-0.0120	-0.40	TH
ZBAY1T		0.1734	-0.0014	-0.03	0.1130	-0.0104	-0.35	IG

Summary Statistics			
Grand Means	0.17476	COF	0.12344
			COF
Std Dev Btwn Labs	0.04818	COF	0.02978
			COF
Statistics based on 18 of 18 reporting participants			

Sample P79: LDPE & Sample P80: LDPE

Plastics Interlaboratory Testing Program
Analysis 781
Coefficient of Kinetic Friction

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron 5000 Series

(MI) - MTS Insight

(SA) - Shimadzu Autograph

(TL) - TMI #32-90

(TN) - TMI #32-06

(IP) - Instron 4000 Series

(KA) - Kayeness Inc.

(MT) - MTS Q-Test

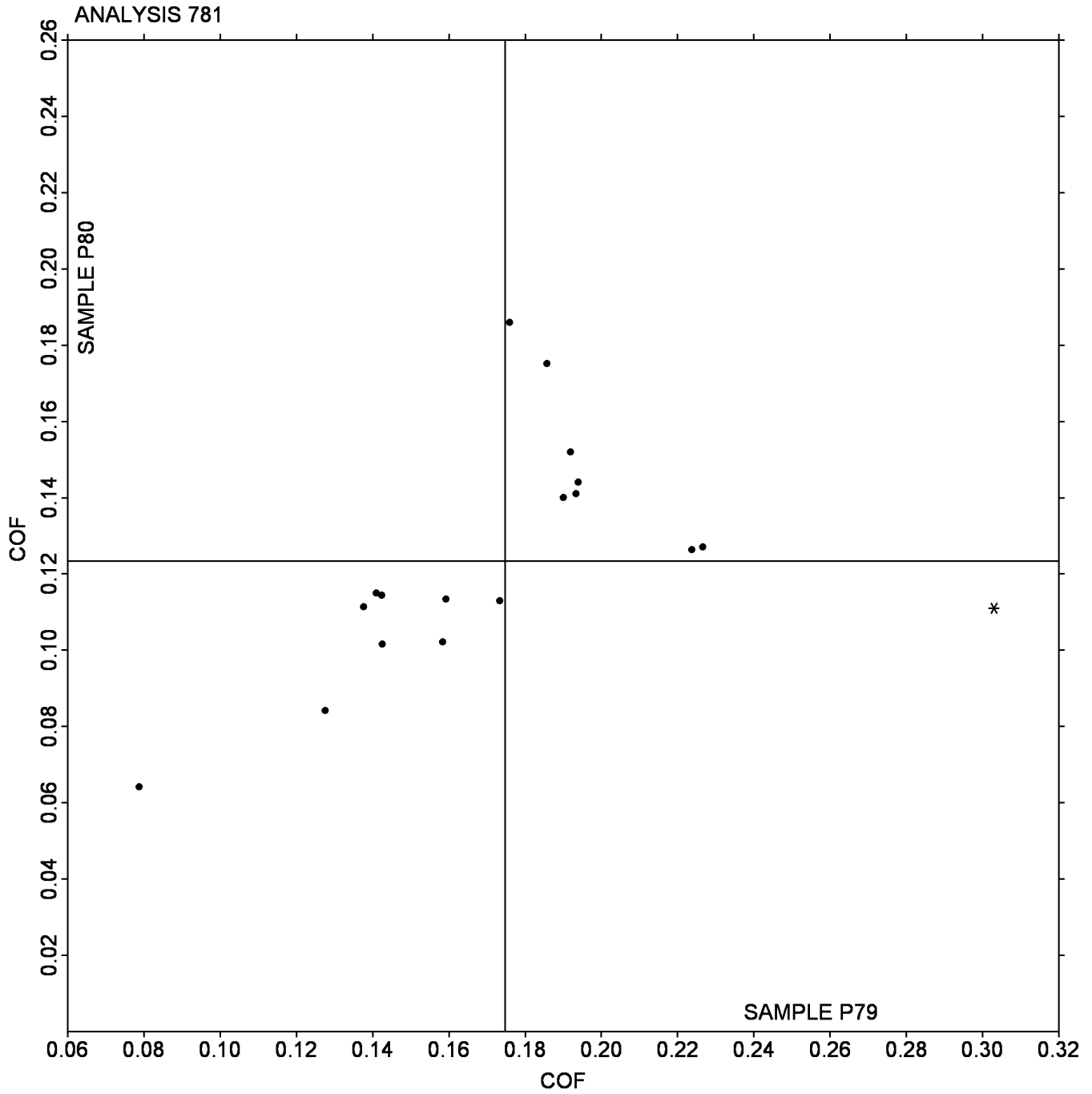
(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TM) - TMI Slip and Friction Tester Model 98

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

Analysis 781
Coefficient of Kinetic Friction

Grand Mean Sample P79: 0.17476 COF Grand Mean Sample P80: 0.12344 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 Q79			Sample Q80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
78FX46		213.0	-35.3	-0.57	236.8	41.1	0.69	TE
8QUZHZ		412.4	164.1	2.63	313.9	118.2	1.98	XX
A19S3R		237.4	-10.9	-0.17	184.4	-11.4	-0.19	LO
FAWM41		156.1	-92.2	-1.48	178.7	-17.0	-0.28	TM
J46VUS		248.2	-0.1	0.00	152.7	-43.0	-0.72	TN
JG9QPK		223.9	-24.4	-0.39	168.8	-26.9	-0.45	TE
JT7FQ7		249.6	1.3	0.02	284.1	88.4	1.48	AL
KZKPD4		221.3	-26.9	-0.43	169.7	-26.0	-0.44	TM
Q4LLV4		239.2	-9.0	-0.14	114.1	-81.7	-1.37	XX
V5DCGD		257.2	8.9	0.14	151.6	-44.1	-0.74	TE
VLTH1P		272.5	24.2	0.39	198.4	2.7	0.04	TE

Summary Statistics

Grand Means

248.26 grams-force

195.74 grams-force

Std Dev Btwn Labs

62.34 grams-force

59.80 grams-force

Statistics based on 11 of 11 reporting participants

Sample Q79: LDPE & Sample Q80: LDPE

Instrument Code List as Reported by the Labs

(AL) - Adamel Lhomargy ED20

(LO) - Lorentzen & Wettre Model II

(TE) - Thwing-Albert Pro Tear

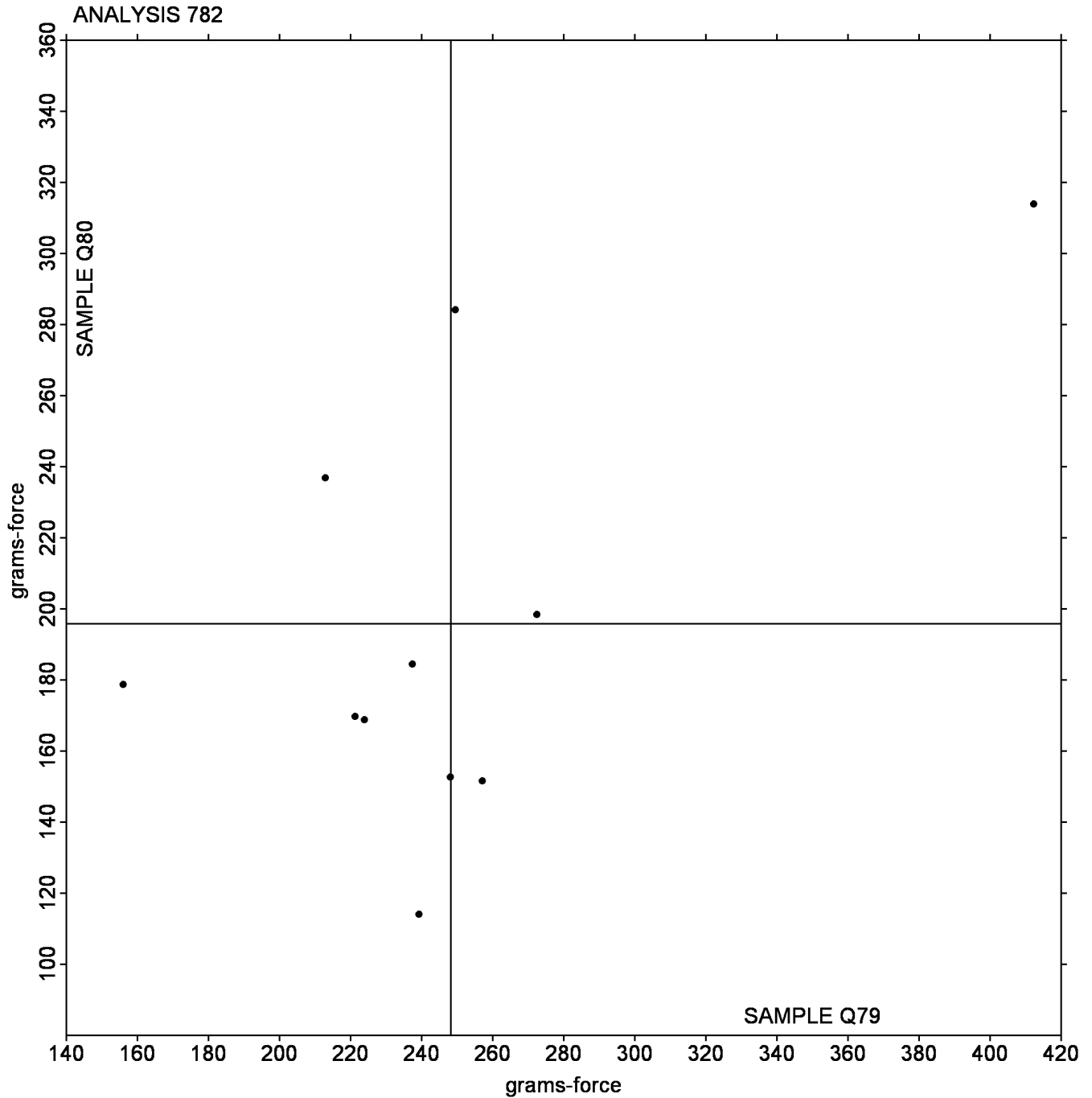
(TM) - TMI No. 83-1100

(TN) - TMI Tear Tester 83-10

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

Analysis 782
Tear Resistance of Films

Grand Mean Sample Q79: 248.26 grams-force Grand Mean Sample Q80: 195.74 grams-force



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

Analysis 785
Percent Haze of Film

WebCode	Data Flag	Sample D79			Sample D80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
1FLT95		9.448	0.350	0.62	10.100	0.729	1.19	BJ
3XV31A		9.205	0.107	0.19	9.133	-0.239	-0.39	XX
3ZW8DV		9.179	0.081	0.14	9.450	0.079	0.13	BJ
68E9B8		8.518	-0.580	-1.03	8.503	-0.869	-1.41	XR
6X6UUE		9.306	0.209	0.37	9.258	-0.114	-0.19	BJ
ANVT23		9.103	0.005	0.01	9.273	-0.099	-0.16	BG
D1JLMC		9.176	0.079	0.14	9.338	-0.034	-0.06	BJ
GC6RSB		9.454	0.356	0.63	9.954	0.582	0.95	BJ
H2XNB7		9.150	0.052	0.09	8.988	-0.384	-0.62	BJ
HQ3EPY		9.451	0.354	0.63	9.771	0.400	0.65	XX
HY3NVA		8.611	-0.486	-0.87	9.483	0.111	0.18	BJ
KEF3LV		10.198	1.100	1.96	10.315	0.944	1.54	BJ
NEV8ZR		8.368	-0.730	-1.30	8.973	-0.399	-0.65	BJ
NTWVAD		9.454	0.356	0.63	9.594	0.222	0.36	BT
NVKJMT		7.939	-1.159	-2.06	8.506	-0.865	-1.41	HL
P75BPU		9.371	0.274	0.49	9.889	0.517	0.84	BJ
PPQGU8		9.246	0.149	0.26	9.689	0.317	0.52	BJ
S5R46J		9.988	0.890	1.58	9.988	0.616	1.00	DA
WHVV9R		8.026	-1.071	-1.91	8.029	-1.343	-2.19	HL
XVWR5X		8.875	-0.223	-0.40	9.600	0.229	0.37	BJ
YHJE4H		8.488	-0.610	-1.09	8.563	-0.809	-1.32	BH
YY7PQK		9.081	-0.016	-0.03	8.839	-0.533	-0.87	BJ
ZKT1LP		9.613	0.515	0.92	10.313	0.941	1.53	BJ

Summary Statistics

Grand Means

9.0976 Percent

9.3714 Percent

Std Dev Btwn Labs

0.5622 Percent

0.6144 Percent

Statistics based on 23 of 23 reporting participants

Sample D79: LDPE & Sample D80: 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

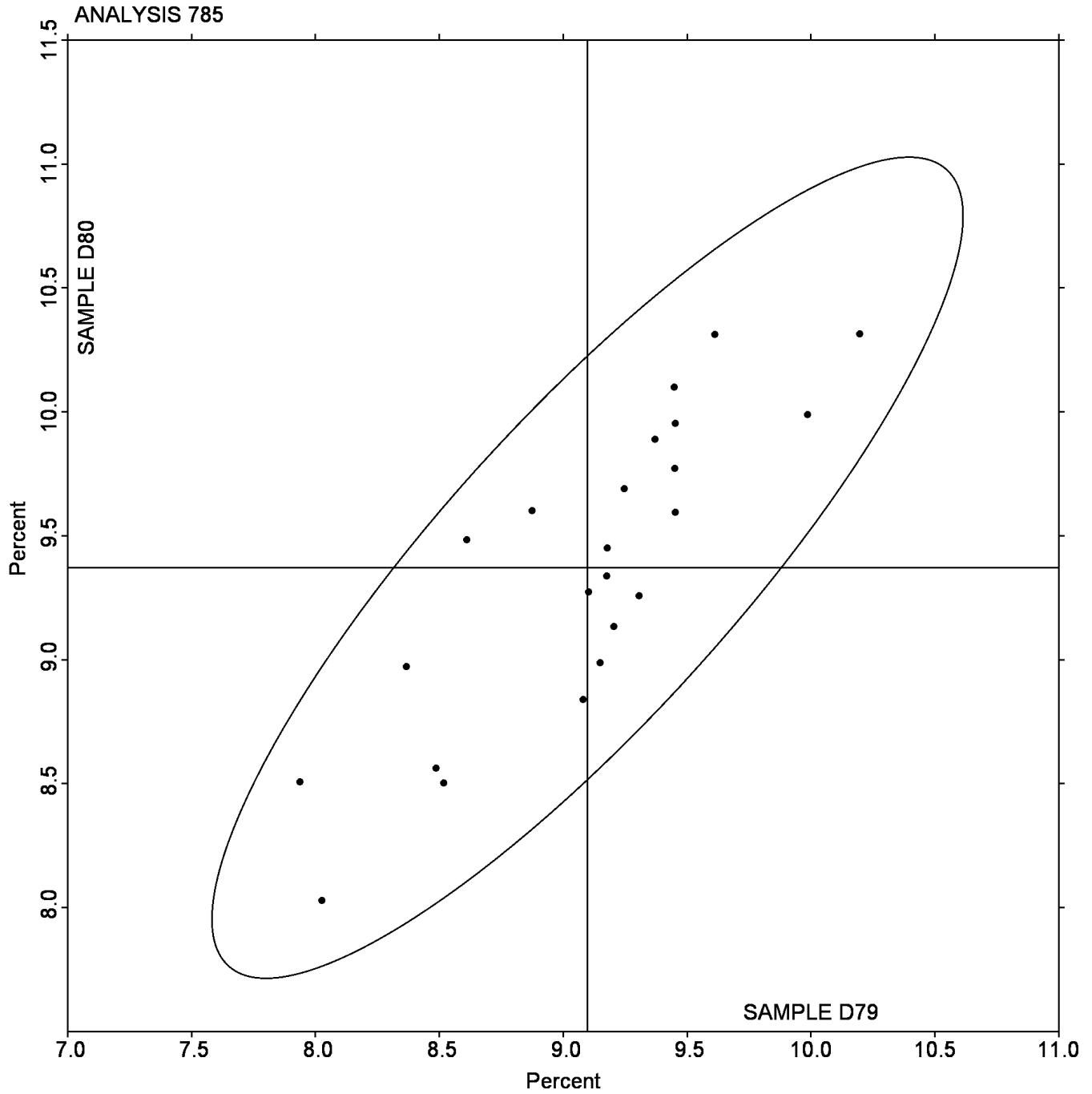
(HL) - Hunterlab Ultrascan XE

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

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

Analysis 785
Percent Haze of Film

Grand Mean Sample D79: 9.0976 Percent Grand Mean Sample D80: 9.3714 Percent



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

Analysis 786

Total Luminous transmittance of film

WebCode	Data Flag	Sample D79			Sample D80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
1QXB8M	*	90.59	-1.71	-1.30	90.94	-1.41	-1.10	HL
3G981H		93.49	1.19	0.91	93.50	1.15	0.89	BJ
7GDEA4		90.82	-1.48	-1.13	90.88	-1.47	-1.14	DA
7ZRJR7		93.29	0.99	0.75	93.28	0.92	0.72	BJ
8FP82J		93.29	0.99	0.75	93.30	0.95	0.74	BJ
B9ZHDD	X	83.84	-8.46	-6.46	83.38	-8.98	-6.97	BJ
C7H29H		94.06	1.76	1.35	94.09	1.74	1.35	BJ
FMQDPE		92.78	0.48	0.36	92.79	0.44	0.34	XX
FY97JZ		94.68	2.38	1.81	94.66	2.31	1.79	BJ
KZ1KPV		92.40	0.10	0.08	92.69	0.34	0.26	BJ
NQ487P		91.60	-0.70	-0.53	91.83	-0.53	-0.41	BH
QX76GZ		91.43	-0.87	-0.67	91.40	-0.95	-0.74	BJ
UH7CW7		92.39	0.09	0.07	92.34	-0.01	-0.01	BT
VSCQJT		93.28	0.98	0.74	93.36	1.01	0.79	BJ
VWFTXF		91.20	-1.10	-0.84	91.20	-1.15	-0.89	XR
W61FJJ		91.94	-0.36	-0.28	91.97	-0.38	-0.30	XX
WCV18K		90.81	-1.49	-1.14	90.84	-1.51	-1.17	HL
WZP7G8		92.85	0.55	0.42	92.89	0.54	0.42	BJ
Y5D7AU		90.09	-2.21	-1.69	90.03	-2.33	-1.81	BJ
YQJEFA		91.40	-0.90	-0.69	91.46	-0.89	-0.69	MA
ZH84CB		91.51	-0.79	-0.60	91.55	-0.80	-0.62	BG
ZMH1PY		94.41	2.11	1.61	94.40	2.05	1.59	BJ

Summary Statistics			
Grand Means	92.299	Percent	92.351
			Percent
Std Dev Btwn Labs	1.310	Percent	1.288
			Percent
Statistics based on 21 of 22 reporting participants			

Sample D79: LDPE & Sample D80: LDPE

Comments on assigned Data Flags for Test #786

B9ZHDD (X) - Data for both samples are low. Also inconsistent in testing within both sample sets.

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

(MA) - Macbeth 7000A

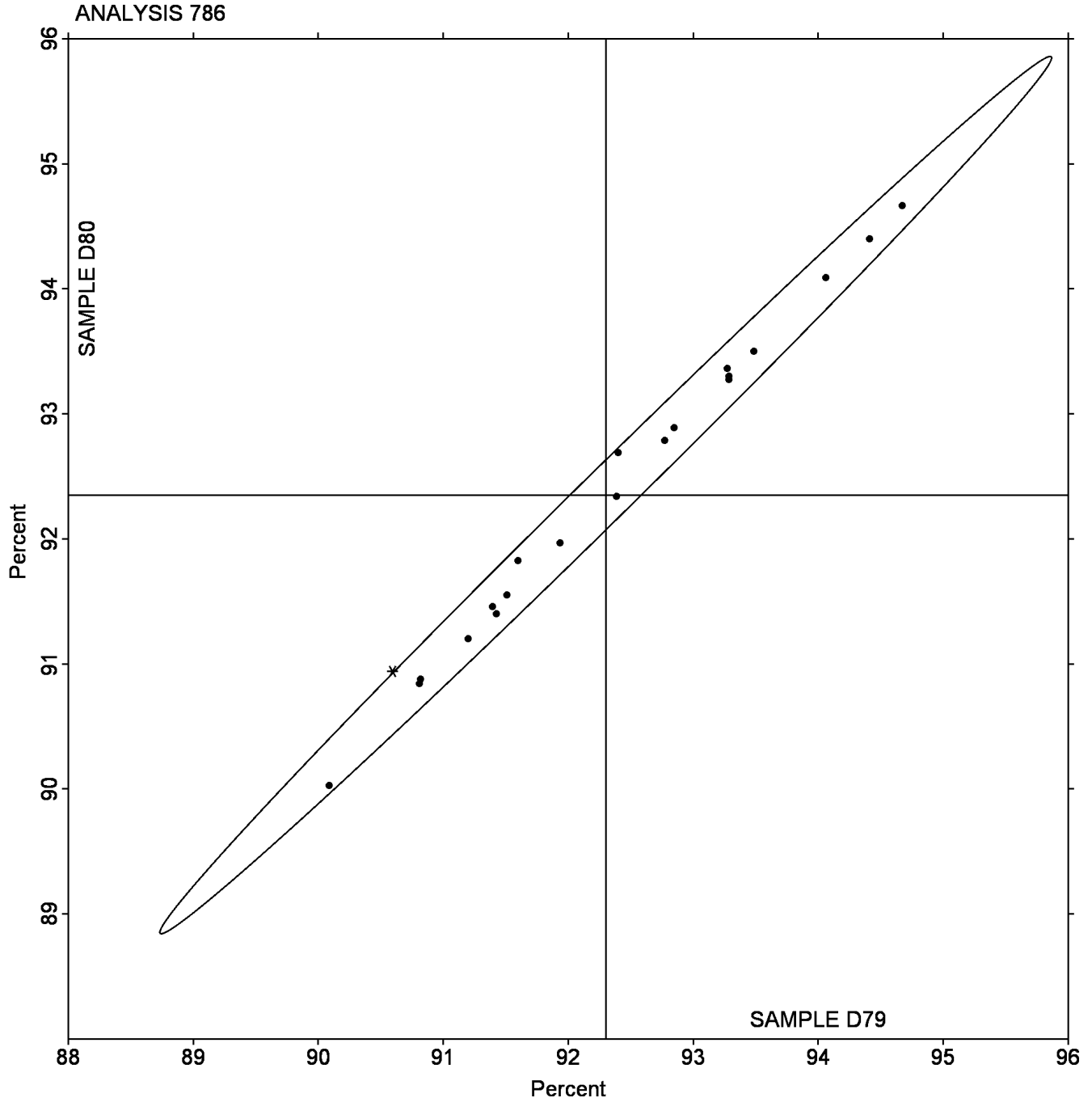
(XR) - X-Rite Spectrocolorimeter (any model)

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

Analysis 786

Total Luminous transmittance of film

Grand Mean Sample D79: 92.299 Percent Grand Mean Sample D80: 92.351 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 755
Moisture Content of Plastics

WebCode	Data Flag	Sample Y79			Sample Y80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
17CR7H		0.29100	0.03136	0.74	0.28300	0.02709	0.83	MK
1ZUZGT	X	0.20267	-0.05698	-1.34	0.16200	-0.09391	-2.87	XX
23WSE3		0.18347	-0.07618	-1.79	0.20003	-0.05588	-1.71	MD
25352W		0.23333	-0.02631	-0.62	0.23667	-0.01924	-0.59	MT
29SN1F		0.16078	-0.09886	-2.33	0.18067	-0.07524	-2.30	AQ
3AQA4H	*	0.17520	-0.08444	-1.99	0.17310	-0.08281	-2.53	MD
6LE611		0.31900	0.05936	1.40	0.28567	0.02976	0.91	XX
6RLUER		0.30433	0.04469	1.05	0.28013	0.02422	0.74	MT
7A8S82		0.21523	-0.04441	-1.05	0.21250	-0.04341	-1.33	ML
817F3W		0.25200	-0.00764	-0.18	0.26700	0.01109	0.34	MB
88UM5X		0.29733	0.03769	0.89	0.28300	0.02709	0.83	XX
929AT8		0.27933	0.01969	0.46	0.26300	0.00709	0.22	MK
9C37PP		0.29126	0.03161	0.74	0.28346	0.02755	0.84	MR
9D7AJJ		0.27867	0.01902	0.45	0.26367	0.00776	0.24	MJ
9PP7T9		0.28933	0.02969	0.70	0.28500	0.02909	0.89	MK
B57ZAC		0.22307	-0.03658	-0.86	0.24427	-0.01164	-0.36	AZ
C7EJ5S		0.27932	0.01968	0.46	0.26655	0.01064	0.32	MS
CEPLTN		0.24400	-0.01564	-0.37	0.25000	-0.00591	-0.18	XX
DHR6SX		0.25767	-0.00198	-0.05	0.26067	0.00476	0.15	AZ
F875VH		0.29833	0.03869	0.91	0.28767	0.03176	0.97	ML
GFZVX4		0.24967	-0.00998	-0.23	0.22600	-0.02991	-0.91	XX
GQJ9LK		0.24767	-0.01198	-0.28	0.23300	-0.02291	-0.70	MQ
H28P2M		0.28963	0.02999	0.71	0.28013	0.02422	0.74	XX
HTZM11		0.27200	0.01236	0.29	0.24967	-0.00624	-0.19	XX
JD34VH		0.20667	-0.05298	-1.25	0.20260	-0.05331	-1.63	MR
K16N45		0.28307	0.02342	0.55	0.27703	0.02112	0.65	XX
K1N7PX		0.29200	0.03236	0.76	0.28200	0.02609	0.80	MK
K2RPFG		0.30387	0.04422	1.04	0.27497	0.01906	0.58	MR
L9SKFK		0.29450	0.03486	0.82	0.28600	0.03009	0.92	ML
LKBGF3		0.27667	0.01702	0.40	0.28000	0.02409	0.74	MU
M3RQ2Y		0.18333	-0.07631	-1.80	0.22000	-0.03591	-1.10	XX
M8PTMR		0.29533	0.03569	0.84	0.28900	0.03309	1.01	AZ

Plastics Interlaboratory Testing Program
Analysis 755
Moisture Content of Plastics

WebCode	Data Flag	Sample Y79			Sample Y80			Instr Code
		Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	
PMBNMC		0.28500	0.02536	0.60	0.28400	0.02809	0.86	MR
RBPBC1		0.21733	-0.04231	-1.00	0.22933	-0.02658	-0.81	XX
RX3SWW		0.27200	0.01236	0.29	0.27200	0.01609	0.49	XX
SXPU9R		0.24000	-0.01964	-0.46	0.24000	-0.01591	-0.49	MU
USXVP9		0.22333	-0.03631	-0.86	0.21000	-0.04591	-1.40	BA
VSHFWJ		0.30600	0.04636	1.09	0.29600	0.04009	1.22	ML
XXTW28		0.27493	0.01529	0.36	0.26923	0.01332	0.41	XX
Y7E1QF		0.29833	0.03869	0.91	0.28633	0.03042	0.93	ML
YKVVJ47	*	0.17333	-0.08631	-2.03	0.22000	-0.03591	-1.10	XX
YRJ37M		0.28803	0.02839	0.67	0.27897	0.02306	0.70	XX

Summary Statistics

Grand Means

0.259643 Percent

0.255910 Percent

Std Dev Btwn Labs

0.042466 Percent

0.032743 Percent

Statistics based on 41 of 42 reporting participants

Sample Y79: ABS & Sample Y80: ABS

Comments on assigned Data Flags for Test #755

1ZUZGT (X) - Data for Sample Y80 are low.

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 Coulometer 756 KF

(MS) - Metrohm Coulometer 831 KF

(MT) - Mettler Toledo DL39

(MU) - Mettler

(XX) - Instrument manufacturer not specified by lab

