

Mar 18, 2014

Flexural Prop. of Plastics

Report No. 6693

Test Date 18-Mar-14 Testing Machine STM-10
Customer Name Michels (B. Moore)
Operator DMM
AOC Report Number P14CA129

Description L040-TNMG-33
Part L040-TNMG-33

Span 2
Load Cell S/N (QS6620), Units (Lbs) 5000 **Crosshead Speed (-Inches / min) or Rate** 0.05
Preload Value (-Lbs) 1 **Displacement Sensor** LVDT_2 (980523)

Test No	Spec ID	Width (in)	Thickness (in)	Max Force (lbs)	Max Stress (psi)	Tan Mod (psi)
23972	1	1.920	0.182	554.1	26,139	1,037,907
23973	2	1.930	0.162	592.0	30,682	1,134,532
23974	3	1.996	0.168	528.4	28,140	917,753
23975	4	2.000	0.155	605.0	37,771	1,191,370
23976	5	1.982	0.160	478.2	28,275	973,443
23977	6	2.034	0.138	578.9	44,835	1,340,300
Mean		1.977	0.161	556.1	32,640	1,099,217
Median		1.982	0.160	554.1	28,275	
Rel Std Dev %		2.22	9.04	8.45	22.11	14.12
Std Dev		0.044	0.015	47.0	7,217	155,156
Maximum		2.034	0.182	605.0	44,835	1,340,300
Minimum		1.920	0.138	478.2	26,139	917,753
Range		0.114	0.044	126.8	18,696	422,546