



LAST-A-FOAM® FR-7106 RIGID POLYURETHANE FOAM			
Property	English	Metric	Test Method
Density (pcf) (kg/m³)	6.0	96	ASTM D-1622
Compressive Strength (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ 75°F	149	1027	
@ 200°F	77	531	
Perpendicular to Rise			
@ 75°F	168	1158	
@ 200°F	90	621	
Compressive Modulus (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ 75°F	4229	29159	
@ 200°F	2855	19685	
Perpendicular to Rise			
@ 75°F	5288	36461	
@ 200°F	3437	23698	
Tensile Strength (psi) (kPa)			ASTM D-1623 Type A Specimens
Parallel to Rise	147	1014	
Perpendicular to Rise	158	1089	
Flexural Strength (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Test Span	169	395228	
Rise Parallel to Beam Thick.	168	1158	
Flexural Modulus (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Test Span	6186	395228	
Rise Parallel to Beam Thick.	6208	42804	
CTE: (in/in-°F) (m/m-K)	31 x 10 ⁻⁶	5.6 x 10 ⁻⁶	From -50 to +200°F, GP Method
Thermal Conductivity:			ASTM C-518 at 75°F (24°C) mean temp.
(BTU*in/ft ² *F*h) [(W/m*K)]	0.214	0.031	
Poisson's Ratio:	~ 0.3	~ 0.3	Literature (Gibson & Ashby)
Hardness, Shore-D (cut foam surface)	7.5	7.5	ASTM D-2240
Tumbling Friability - weight loss (%)	6.5	6.5	ASTM C-421 (20 minutes @ 60 rpm)
Water Absorption (lbs/ft²) (kg/m²):	.017	.084	ASTM D-2842
Glass Transition, Tg (°F) (°C):	246	119	ASTM E-1824
Fire Safety	*S/E	*S/E	*Self-extinguishing via test method shown below

Values shown are average values determined from laboratory tests

08/28/2015

*FAR 25.853 (A) App. F (a)(1)(i) & (ii) tested vertically on 1/2" thick specimen using 12- and 60- second ignition with a Bunsen burner

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