GENERALPLASTICS MANUFACTURING COMPANY

LAST-A-FOAM® FR-3740 RIGID POLYURETHANE FOAM			
Property	**English**	**Metric**	**Test Method**
Density (pcf) (kg/m^3)	40.0	641	ASTM D-1622
Compressive Strength (psi) (kPa)			ASTM D-1621
Parallel to Rise			
-65°F	5816	40101	
75°F	4524	31193	
200°F	2001	13797	
250°F	1650	11377	
Perpendicular to Rise			
-65°F	6399	44121	
75°F	4515	31131	
200°F	2678	18465	
250°F	1700	11722	
Compressive Modulus (psi) (kPa)			ASTM D-1621
Parallel to Rise			
-65°F	74543	513974	
75°F	72210	497888	
200°F	76254	525771	
250°F	55328	381487	
Perpendicular to Rise			
-65°F	80766	556882	
75°F	70838	488428	
200°F	78662	542374	
250°F	57823	398690	
Tensile Strength (psi) (kPa)			ASTM D-1623 Type A Specimens
Parallel to Rise	2769	19092	
Perpendicular to Rise	2877	19837	
Flexural Strength (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Test Span	4161	28690	
Rise Parallel to Beam Thickness	4157	28663	
Flexural Modulus (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Test Span	125088	862482	
Rise Parallel to Beam Thickness	127274	877554	
Coefficient of Thermal Expansion (in/in-°F) (m/m-°K)	35 x 10^{-6}	61 x 10^{-6}	From -50 to +200°F, GP Method
Closed Cell Content (%)	100.0	100.0	ASTM D-6226
Thermal Conductivity (BTU*in/ft2*°F*h) (W/m*°K)	0.570	0.082	ASTM C-518 at 75°F (24°C) mean temp.
Poisson's Ratio	~ 0.3	~ 0.3	Literature (Gibson & Ashby)
Hardness, Shore-D (cut foam surface)	71.6	71.6	ASTM D-2240
Tumbling Friability: Weight Loss (%)	0.0	0.0	ASTM C-421 (20 minutes @ 60 rpm)
Water Absorption (lbs/ft^2) (kg/m^2)	0.004	.018	ASTM D-2842
Specific Heat @25°C (BTU/lb-°F) (J/g°C)	0.353	1.477	ASTM E-1269
Heat of Combustion (BTU/lb) (MJ/kg)	11706	27.17	ASTM D-240
Glass Transition, Tg (°F) (°C)	270	132	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 **07/21/2015**

*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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