



LAST-A-FOAM® FR-7104 RIGID POLYURETHANE FOAM			
Property	English	Metric	Test Method
Density (pcf) (kg/m³)	4.00	64	ASTM D-1622
Compressive Strength (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ 75°F	77	534	
@ 200°F	58	400	
Perpendicular to Rise			
@ 75°F	31	212	
@ 200°F	20	136	
Compressive Modulus (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ 75°F	2840	19584	
@ 200°F	2020	13925	
Perpendicular to Rise			
@ 75°F	846	5833	
@ 200°F	622	4286	
Tensile Strength (psi) (kPa)			ASTM D-1623 Type A Specimens
Parallel to Rise	119	822	
Perpendicular to Rise	76	525	
Shear Strength (psi) (kPa)			ASTM C-273 Compression Shear
Rise Parallel to Specimen Width	56	387	
Rise Parallel to Specimen Thick.	63	435	
Shear Modulus (psi) (kPa)			ASTM C-273 Compression Shear
Rise Parallel to Specimen Width	649	4475	
Rise Parallel to Specimen Thick.	696	4801	
Flexural Strength (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Beam Thick.	61	418	
Flexural Modulus (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Beam Thick.	1338	9227	
Thermal Conductivity "k": (BTU*in/ft ² *F*h) [(W/m*K)]	0.189	0.027	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)	3.5	3.5	ASTM D-2240
Tumbling Friability - weight loss (%)	8.2	8.2	ASTM C-421 (20 minutes @ 60 rpm)
Water Absorption (lbs/ft²) (kg/m²):	.019	.091	ASTM D-2842
Glass Transition, Tg (°F) (°C):	246	119	TMA
Fire Safety	*S/E	*S/E	*Self-extinguishing via test method shown below

Values shown are average values determined from laboratory tests

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*Tested vertically on 1/2" thick specimen using 12- and 60- second ignition with a Bunsen burner

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