



LAST-A-FOAM® FR-10120 RIGID POLYURETHANE FOAM			
Property	English	Metric	Test Method
Density (pcf) (kg/m ³)	20.0	320	ASTM D-1622
Compressive Strength (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ 75°F	1441	9937	
@ 250°F	1082	7463	
@ 350° F	734	5062	
Perpendicular to Rise			
@ 75°F	1304	8995	
@ 250°F	925	6381	
@ 350° F	740	5101	
Compressive Modulus (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ 75°F	47891	330209	
@ 250°F	37457	258263	
@ 350° F	23194	159925	
Perpendicular to Rise			
@ 75°F	35921	247678	
@ 250°F	24896	171658	
@ 350° F	21378	147400	
Tensile Strength (psi) (kPa)			ASTM D-1623 Type A Specimens
Perpendicular to Rise	498	3436	
Tensile Modulus (psi) (kPa)			ASTM D-1623 Type A specimens
Perpendicular to Rise	51480	354953	
Shear Strength (psi) (kPa)			ASTM C-273 Compression Shear
Rise Parallel to Specimen Thick.	641	4419	
Shear Modulus (psi) (kPa)			ASTM C-273 Compression Shear
Rise Parallel to Specimen Thick.	13086	90231	
CTE: (in/in/°F) (K ⁻¹)	~2.1 x 10 ⁻⁵	~3.8 x 10 ⁻⁵	From -20 to +160°F, GP Method
Thermal Conductivity "k": (BTU*in/ft ² *°F*h) [(W/m*K)]	0.049	0.007	ASTM C-518 at 75°F (24°C) mean temp.
Poisson's Ratio:	~ 0.3	~ 0.3	Literature (Gibson & Ashby)
Tumbling Friability - weight loss (%)	-1.8	-1.8	ASTM C-421 (20 minutes @ 60 rpm)
Fire Safety	Pass	Pass	<15s extinguish time, <6 in burn length *via test method shown below

Values shown are average values determined from laboratory tests

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*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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