



Property	English	Metric	Test Method
Density (pcf) (kg/m³)	20.0	320	ASTM D-1623
Compressive Strength (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ -60° F	1665	11481	
@ 75°F	1057	7291	
@ 160°F	804	5543	
Perpendicular to Rise			
@ -60° F	1643	11328	
@ 75°F	1062	7326	
@ 160°F	769	5306	
Compressive Modulus (psi) (kPa)			ASTM-D-1621
Parallel to Rise			
@ -60° F	34728	239451	
@ 75°F	35876	247363	
@ 160°F	25675	177030	
Perpendicular to Rise			
@ -60° F	34351	236852	
@ 75°F	29397	202694	
@ 160°F	23725	163583	
Tensile Strength (psi) (kPa)			ASTM D-1623 Type A Specimens
Parallel to Rise	789	5441	
Perpendicular to Rise	715	4929	
Tensile Modulus (psi) (kPa)			ASTM D-1623 Type A specimens
Parallel to Rise	67062	462393	
Perpendicular to Rise	68324	471096	
Shear Strength (psi) (kPa)			ASTM C-273 Compression Shear
Rise Parallel to Specimen Width	663	4569	
Rise Parallel to Specimen Thick.	666	4592	
Shear Modulus (psi) (kPa)			ASTM C-273 Compression Shear
Rise Parallel to Specimen Width	9711	66961	
Rise Parallel to Specimen Thick.	10410	71776	
Flexural Strength (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Test Span	1024	7062	
Rise Parallel to Beam Thick.	1025	7069	
Flexural Modulus (psi) (kPa)			ASTM D-790 Method 1-A
Rise Parallel to Test Span	38995	268870	
Rise Parallel to Beam Thick.	35458	244485	
CTE: (in/in/°F) (K⁻¹)	~3.2 x 10 ⁻⁵	~5.8 x 10 ⁻⁵	From -20 to +160°F
Closed Cell Content (%) :	97.2	97.2	ASTM D-2856 Procedure B
Thermal Conductivity "k": (BTU*in/ft ² *F*h) [(W/m*K)]	0.394	0.057	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)	38.1	38.1	ASTM D-2240
Tumbling Friability - weight loss (%)	1.8	1.8	ASTM C-421 (20 minutes @ 60 rpm)
Glass Transition, Tg (°F) (°C)	256	124	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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*UL94, Section 7, 6-18-91; <40 mm/in burn rate

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