



<b>Sign-Foam4 15 lbs.</b>			
<b>Property</b>	<b>English</b>	<b>Metric</b>	<b>Test Method</b>
<b>Density (pcf) (kg/m<sup>3</sup>)</b>	15.0	240	ASTM D-1622
<b>Compressive Strength (psi) (kPa)</b>			ASTM-D-1621
Parallel to Rise			
@ 75°F	498	3434	
@ 160° F	296	2041	
Perpendicular to Rise			
@ 75°F	504	3475	
@ 160° F	311	2144	
<b>Compressive Modulus (psi) (kPa)</b>			ASTM-D-1621
Parallel to Rise			
@ 75°F	17079	117760	
@ 160°	12446	85815	
Perpendicular to Rise			
@ 75°F	16779	115691	
@ 160° F	12648	87208	
<b>Shear Strength (psi) (kPa)</b>			ASTM C-273 Compression Shear
Rise Parallel to Specimen Thick.	157	1083	
<b>Shear Modulus (psi) (kPa)</b>			ASTM C-273 Compression Shear
Rise Parallel to Specimen Thick.	1854	12783	
<b>Flexural Strength (psi) (kPa)</b>			ASTM D-790 Method 1-A
Rise Parallel to Test Span	1	7	
Rise Parallel to Beam Thick.	649	4472	
<b>Flexural Modulus (psi) (kPa)</b>			ASTM D-790 Method 1-A
Rise Parallel to Test Span	1	7	
Rise Parallel to Beam Thick.	19530	134659	
<b>Tensile Strength (psi) (kPa)</b>			ASTM D-1623 Type A Specimens
Perpendicular to Rise	460	3169	
<b>Tensile Modulus (psi) (kPa)</b>			
Perpendicular to Rise	12987	89545	
<b>Thermal Conductivity (BTU · in/ft<sup>2</sup> · °F · h) (W/m·K)</b>	0.2652		ASTM C-518 at 75°F (24°C) mean temp.
<b>CTE: (in/in/°F) (K<sup>-1</sup>)</b>	2.93 x 10 <sup>-5</sup>	5.3 x 10 <sup>-5</sup>	From -30 to +160°F, GP Method
<b>Tg (°F)</b>	232	111	ASTM E-1824
<b>Water Absorption Volume (%)</b>	0		ASTM D 2842-01
<b>Shore "A"</b>	80		
<b>Shore "D"</b>	22.0		
<b>Tumbling Friability (%)</b>	0.4		ASTM C-421 (20 minutes @ 60 rpm)
<b>Fire Safety</b>	Pass	Pass	<15s extinguish time, <6 in burn length *via test method shown below

Values shown are average values determined from laboratory tests

04/28/2014

\*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

\*\*Heat Release and Smoke Density testing were performed by an outside laboratory.

**Sign-Arts Products Corp**  
**26081 Merit Circle, Suite 104**  
**Laguna Hills, CA 92653**  
**(800) 338-4030**