TYPICAL PHYSICAL PROPERTIES

PHYSICAL PROPERTIES*	TEST METHOD	1/32"	1/16"	3/32"	1/8"	1/4"
Compressive Strength -vertical direction (psi)	ASTM D3575-00 Suffix D at 25%/50%	2.3 9.5	2.5 9.6	2.6 9.8	2.8 10.0	2.9 10.4
Compression Set (%)	ASTM D3575-00 Suffix B	<17	<25	<30	<30	<30
Tensile Stress (psi) (at each thickness)	ASTM D3575-00 Suffix T (md/cmd)	106 35	86 29	63 26	62 25	41 22
Elongation (%)	ASTM D3575-00 Suffix T (md/cmd)	8 3	10 3	13 4	16 6	21 8
Tear Resistance (lb/in) (at each thickness)	ASTM D3575-00 Suffix G (md/cmd)	10.9 18.4	8.8 15.0	9.0 14.0	8.5 13.6	8.3 11.9
Density Range (lb/ft^3)	ASTM D3575-00	1.1–1.4	1.0–1.3	1.0–1.3	1.0–1.3	1.0–1.3
Water Absorption (lb/ft^2)	ASTM D3575-00 Suffix L	<0.1	<0.1	<0.1	<0.1	<0.1
Thermal Stability md/cmd **except thickness direction	ASTM D3575-00 Suffix S	<5%**	<5%**	<5%**	<5%**	<5%**
Water Vapor Transmission Rate GM/100 in^2/24hr.	ASTM F-1249	0.204	0.173	0.110	0.089	0.052
Thermal Resistance R-Value ($HR\text{-}FT^2\text{-}°F/BTU$)	ASTM C518-91	6 Layers 0.90	5 Layers 1.03	1 Layer 0.47	1 Layer 0.53	1 Layer 0.86
Thermal Conductivity K-Value ($BTU\text{-}IN/HR\text{-}FT^2\text{-}°F$)	ASTM C518-91	6 Layers 0.23	5 Layers 0.25	1 Layer 0.19	1 Layer 0.21	1 Layer 0.29
Static Decay (anti-static grade)	EIA STD. 541 Appendix F	<2 sec	<2 sec	<2 sec	<2 sec	<2 sec
Surface Resintiviy (anti-static grade)	EIA STD.541 Section 4.3	$1.0 \times 10^{9-}$ 1.0×10^{12}	$1.0 \times 10^{9-}$ 1.0×10^{12}	$1.0 \times 10^{9-}$ 1.0×10^{12}	$1.0 \times 10^{9-}$ 1.0×10^{12}	$1.0 \times 10^{9-}$ 1.0×10^{12}
Flexibility +71°F–65°F	PPP-C-1752 D	Pass	Pass	Pass	Pass	Pass
Contact Corrosivity (Alum. Plate)	Method 3005 FED STD. 101	None	None	None	None	None

*While values shown are typical for these products they should not be construed as specification limits.