



POLYMER INDUSTRIES

AVALANCHE Liners: Heavy Duty Liners Typical Properties

Property*	ASTM Test Method	Typical Values
Physical and Mechanical Properties		
Density	D792	0.932 g/cc
Tensile Strength @ Yield, MPa (ksi)	D638	3,300 psi
Elongation at Break	D638	240%
Coefficient of Friction, Static	D1894	0.25
Coefficient of Friction, Kinetic	D1894	0.2
Abrasion Resistance **	- - -	9
Izod Impact Strength	D4020, Method A	> 80 KJ/m ²
Durometer Hardness	D2240	66 Shore D
Water Absorbtion @ Saturation	D570	0.01%
Thermal Properties		
Melting Point	- - -	270 - 280°F
Coefficient of Linear Thermal Expansion	D696	7 X 10 ⁻⁶ in/in/°F
Flammability, UL 94	1/8 inch	HB
Electirical Properties		
Dielectric Strength	D149	90.3 KV/m
Dielectric Constant	D150	2.3
Volume Resistivity	D257	1 X 10 ¹⁴ ohm-cm
Surface Resistivity	D257	1 X 10 ¹² ohm

*The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

**This refers to relative volumetric abrasion in a sand slurry test with Polyslick Natural = 10. The lower the number the better the abrasion resistance.

Typical Properties reported herein were determined on Compression Molded samples prepared in accordance with Procedure C of ASTM D4703, Annex A1.