



AVALANCHE LINERS

HEAVY DUTY LINERS Typical Properties

PROPERTY*	ASTM TEST METHOD	Typical Values
Physical and Mechanical Properties		
Density	D792	0.932 g/cc
Molecular Weight	---	8.0×10^6 g/mol
Tensile Strength @ Break	D638	$> 4,350$ psi
Tensile Strength @ Yield	D638	3,300 psi
Elongation at Break	D638	300%
Coefficient of Friction, Static	D1894	0.25
Coefficient of Friction, Kinetic	D1894	0.2
Flexural Strength	D790	3450 psi
Flexural Modulus	D790	66.5 ksi
Compressive Strength	D695	3000 psi
Abrasion Resistance **	---	9
Izod Impact Strength	D4020, Method A	> 190 KJ/m ²
Durometer Hardness	D2240	64 Shore D
Water Absorbtion	D570	0.01%
Water Absorbtion @ Saturation	D570	0.01%
Thermal Properties		
Melting Point	---	270 - 280° F
Maximum Service Temperature, Air	---	$> 180^\circ$ F
Deflection Temperature at 1.8 Mpa (264 psi)	D648	118° F
Coefficient of Linear Thermal Expansion	D696	7×10^{-6} in/in/°F
Flammability, UL 94	1/8 Inch	HB
Electrical Properties		
Dielectric Strength	D149	90.3 KV/m
Dielectric Constant	D150	2.3
Volume Resistivity	D257	1×10^{14} ohm-cm
Surface Resistivity	D257	1×10^{12} ohm
Dissipative Factor	D150	0.00023
Compliance Properties		
3A-Dairy		No
Canada AG		No
FDA		No
NSF		No
USDA		No
USP Class VI		No
Chemical Resistance Properties		
Acids, Strong		Limited
Acids, Weak		Acceptable
Alcohols		Acceptable
Alkalies, Strong		Acceptable
Alkalies, Weak		Acceptable
Chlorinated Solvents		Acceptable
Conductive / Static Dissipative		No
Continuous Sunlight		Acceptable
Hot Water / Steam		Limited
Hydrocarbons - Aliphatic		Acceptable
Hydrocarbons - Aromatic		Unacceptable
Inorganic Salt Solutions		Acceptable
Ketones, Esters		Limited

* 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 the 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.