POLYMER INDUSTRIES

POLYSLICK AS : Anti-Static

Typical Properties

Property*	ASTM Test Method	Typical Values
Physical and Mechanical Properties		
Density	D792	0.932 g/cc
Tensile Strength @ Yield	D638	3,500 psi
Elongation at Break	D638	300%
Coefficient of Friction, Static	D1894	0.2
Coefficient of Friction, Kinetic	D1894	0.15
Abrasion Resistance **	- - -	10
Izod Impact Srength	D4020, Method A	> 100 KJ/m^2
Durometer Hardness	D2240	64 Shore D
Water Absorbtion @ Saturation	D570	0.01%
Thermal Properties		
Melting Point	- - -	271°F
Coefficient of Linear Thermal Expansion	D696	8.3 X 10^{-5} in/in/°F
Flammability, UL 94	1/8 inch	HB
Electrical Properties		
Dielectric Strength	D149	N/A
Dielectric Constant	D150	N/A
Volume Resistivity	D257	N/A
Surface Resistivity AS range (10^5 – 10^11)	D257	$1x10^7$

*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.