POLYMER INDUSTRIES

POLYSLICK HT : High Temperature

Typical Properties

Property*	ASTM Test Method	Typical Values
Physical and Mechanical Properties		
Density	D792	0.935 g/cc
Tensile Strength @ Yield	D638	3,100 psi
Elongation at Break	D638	250%
Coefficient of Friction, Static	D1894	0.15
Coefficient of Friction, Kinetic	D1894	0.1
Abrasion Resistance **	- - -	9
Izod Impact Srength	D4020, Method A	> 95 KJ/m^2
Durometer Hardness	D2240	64 Shore D
Water Absorbtion @ Saturation	D570	0.01%
Thermal Properties		
Melting Point	- - -	>350°F
Coefficient of Linear Thermal Expansion	D696	7 X 10^{-5} 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 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.