



POLYMER INDUSTRIES

POLYSLICK OF : Oil Filled Typical Properties

| Property* | ASTM Test Method | Typical Values |
|---|------------------|---------------------------------|
| Physical and Mechanical Properties | | |
| Density | D792 | 0.93 g/cc |
| Tensile Strength @ Yield | D638 | 3,300 psi |
| Elongation at Break | D638 | 280% |
| Coefficient of Friction, Static | D1894 | 0.15 |
| Coefficient of Friction, Kinetic | D1894 | 0.1 |
| Abrasion Resistance ** | - - - | 10 |
| Izod Impact Strength | D4020, Method A | > 95 KJ/m ² |
| Durometer Hardness | D2240 | 62 Shore D |
| Water Absorbtion @ Saturation | D570 | 0.01% |
| Thermal Properties | | |
| Melting Point | - - - | 270 - 280°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 | 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.