



## **Polyslick® CDE - Conductive UHMW Material Data Sheet**

Property*	ASTM Test Method	Polyslick CDE
		<b>Conductive</b>
<b>Physical and Mechanical Properties</b>		
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 Strength	D4020, Method A	> 100 KJ/m <sup>2</sup>
Durometer Hardness	D2240	64 Shore D
Water Absorption @ Saturation	D570	0.01%
<b>Thermal Properties</b>		
Melting Point	---	271 °F
Coefficient of Linear Thermal Expansion	D696	8.3 X 10 <sup>-5</sup> in/in/°F
Flammability, UL 94	1/8 inch	HB
<b>Electrical Properties</b>		
Dielectric Strength	D149	N/A
Dielectric Constant	D150	N/A
Volume Resistivity	D257	N/A
Surface Resistivity	D257	> 1 X 10 <sup>4</sup> ohm

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