

<b>Typical Properties of UHMW Natural</b>		
	ASTM Test Method	Natural
<b>Physical and Mechanical Properties</b>		
Density	D792	.0932 g/cc
Tensile strength @ Yield	D638	3500 psi
Tensile strength @ Break	D638	4350 psi
Elongation at Break	D638	300%
Compressive Strength	D695	3000 psi
Coefficient of Friction, Static	D1894	0.2
Coefficient of Friction, Kinetic	D1894	0.15
Abrasion Resistance	---	10
Izo 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
Maximum Service Temperature (Air)	Long Term	180°F
Flammability, UL 94	1/8 inch	HB
<b>Electrical Properties</b>		
Dielectric Strength	D149	90.3 KV/mm
Dielectric Constant	D150	2.3
Volume Resistivity	D257	1 x 10 <sup>14</sup> ohm-cm
Surface Resistivity	D257	1 x 10 <sup>12</sup> ohm
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