

UHMW ELECTRICAL PROPERTIES (For Conductive Black Only)	ASTM Test	Units Metric (U.S.)	UHMW Thickness Gauges		
			.031"	.062"	.125"
Volume Resistivity	D257	Ohms/cm	5.9544x10 <sup>7</sup>	1.4516x10 <sup>7</sup>	>2x10 <sup>7</sup>
Dielectric Strength	D150	Kv/cm(V/mil)	*	*	142
Dielectric Constant	D150		2.481	2.454	2.542
Surface Resistivity	D257	Ohms	10 <sup>3</sup>	10 <sup>3</sup>	10 <sup>3</sup>
Static Decay		Seconds	<.01	<.01	<.01
Dissipation Factor					
At 50Hz	D150		0.0594	0.0213	0.0082
At 10KHz	D150		0.1085	0.0690	0.0022
At 5MHz	D150		0.1035	0.2340	0.0034