



# Statimax 810

Polybenzimidazole (PBI), Electrostatic Dissipative (ESD)

<b>General</b>	<b>ASTM No.</b>	<b>US Value</b>	<b>SI Unit</b>
<b>Specific Gravity</b>	D792		1.49
<b>Water Absorption (24hr. @ 23 °C, %)</b>	D570		0.4
<b>Mechanical</b>			
<b>Tensile Strength</b>	D638	29 Kpsi	200 MPa
<b>Tensile Modulus</b>	D638	1.3 Mpsi	9.0 GPa
<b>Flexural Strength</b>	D790	37 Kpsi	260 MPa
<b>Flexural Modulus</b>	D790	1.4 Mpsi	9.7 GPa
<b>Compressive Strength</b>	D695	62 Kpsi	430 MPa
<b>Compressive Modulus</b>	D695	1.2 Mpsi	8.3 GPa
<b>Thermal</b>			
<b>Tg, °F</b>	D3418	800 °F	427 °C
<b>HDT@ 264 psi, °F</b>	D648	820 °F	438 °C
<b>Electrical</b>			
<b>Surface Resistivity</b>	D257	10 <sup>4</sup> - 10 <sup>6</sup> Ohm/sq	

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