

Polyether block amide **PEBAX® MH 1657** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. MH 1657 is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity.

Main Characteristics	Value	Unit	Test Method
<b>Density</b>	<b>1.14</b>	g/cm <sup>3</sup>	ISO 1183
<b>Water Absorption at Equilibrium</b> At 20°C and 50 % RH	<b>4.5</b>	%	ISO 62
<b>Water Absorption</b> At 23°C and 24 h in water	<b>120</b>	%	
<b>Melting Point</b>	<b>204</b>	°C	ISO 11357
<b>Hardness Shore (*)</b> Instantaneous	<b>40</b>	Shore D	ISO 868
<b>Flexural Modulus (*)</b>	<b>80</b>	MPa	ISO 178
<b>Surface Resistivity (*)</b>	<b>1 10<sup>9</sup></b>	Ω / sq	IEC 60093
<b>Volume Resistivity (*)</b>	<b>2 10<sup>9</sup></b>	Ω.cm	IEC 60093
<b>Charge Decay Time</b>	<b>&lt;1</b>	sec	MIL B-81705
<b>Refractive Index</b>	<b>1.508</b>	–	Internal method

(\*) Samples conditioned 15 days at 23°C - 50 % R.H.

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