



Polyether block amide Pebax MV 2080 is a thermoplastic elastomer made of flexible polyether and rigid polyamide. Pebax MV 2080 is an inherently dissipative polymer and can be dry blended or compounded with a polymer matrix to lower the surface resistivity of the final part.

MAIN CHARACTERISTICS

Property	Typical Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Water Absorption at Equilibrium <i>At 20°C and 50 % R.H.</i>	1.4	%	ISO 62
Water Absorption <i>At 23° C and 24h in water</i>	48	%	ISO 62
Melting Point	160	°C	ISO 11357
Hardness (*) Instantaneous	40	Shore D	ISO 868
Tensile Test (*)			
Stress at Break	30	MPa	ISO 527
Strain at Break	>700	%	ISO 527
Flexural Modulus (*)	80	MPa	ISO 178
Surface Resistivity (*)	1 10 ⁷	Ω/sq	IEC 60093
Volume Resistivity (*)	1 10 ⁷	Ω cm	IEC 60093
Charge Decay Time (*)	<1	s	MIL B- 81705
Refractive Index	1.502	-	Internal Method

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