

# PEBAX® MV 2080

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

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

# PEBAX® MV 2080

## MAIN APPLICATIONS

- Permanent antistatic additive.

## PROCESSING CONDITIONS

Conditions	Typical values
<b>Extrusion</b> Melt Temperature (Min / Recommended / Max)	<b>210°C / 220°C / 230°C</b>
<b>Injection</b> Melt Temperature (Min / Recommended / Max)	<b>200°C / 240°C / 270°C</b>
<b>Mold</b> Temperature	<b>25 – 60°C</b>
<b>Drying (only necessary for bags opened for more than two hours)</b> Time Temperature	<b>4 - 6 hours</b> <b>65 - 75°C</b>

## PACKAGING

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

## SHELF LIFE

Two years from the date of delivery. For any use above this limit, please refer to our technical services.

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See Safety Data Sheet for Health & Safety Considerations.