

PEBAX[®]

MV 2080

Polyether block amide **Pebax[®] MV 2080 resin** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. **Pebax[®] MV 2080 resin** is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity.

Refractive index according to an internal method is 1.502.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 80	MPa	ISO 527-1/-2
	- /	psi	
Stress at 50% Strain	11600 - / 9	MPa	ISO 527-1/-2
	- / 1310	psi	
Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness	40 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	160 / *	°C	ISO 11357-1/-3
ELECTRICAL PROPERTIES			
Volume Resistivity	- / 1E7	Ohm*m	IEC 60093
Surface Resistivity	* / 1E7	Ohm	IEC 60093
OTHER PROPERTIES			
Water Absorption	48 / *	%	Sim. to ISO 62
Humidity Absorption	1.4 / *	%	Sim. to ISO 62
Density	1070 / 1070	kg/m ³	ISO 1183
	1.07 / 1.07	g/cm ³	

MAIN APPLICATIONS:

- Permanent antistatic additive

PACKAGING:

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

SHELF LIFE:

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

Processing conditions:

- Typical melt temperature (Min / Recommended / Max): 200°C / 240°C / 270°C.
- Typical mold temperature: 25–60°C.

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- Drying time and temperature (only necessary for bags opened for more than two hours): 4-6 hours at 65-75°C.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max): 210°C / 220°C / 230°C.

- Drying time and temperature (only necessary for bags opened for more than two hours): 4-6 hours at 65-75°C.

PROCESSING Injection Molding, Other Extrusion	
DELIVERY FORM Pellets	
SPECIAL CHARACTERISTICS Anti-Static	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	