

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.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 80	MPa	ISO 527-1/-2
Stress at 50% Strain	- / 9	MPa	ISO 527-1/-2
Strain at Break	- / > 50	%	ISO 527-1/-2
Shore D Hardness, 15s	40 / *	-	ISO 7619-1
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

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.
- 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.

PEBAX® MV 2080

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

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