

Pebax® MV 2080

Polyether Block Amide

Arkema

Message:

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.

General Information			
Additive	Antistatic		
Features	Antistatic		
Uses	Blending		
	Compounding		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Water Absorption			ISO 62
23°C, 24 hr	48	%	
Equilibrium, 23°C, 50% RH	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	40		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	> 700	%	ASTM D638
Flexural Modulus	80.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	160	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+7	ohms	IEC 60093
Volume Resistivity	1.0E+7	ohms · cm	IEC 60093
Charge Decay Time	< 1.0	sec	MIL B-81705
Optical	Nominal Value		Test Method
Refractive Index	1.502		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	65.0 to 75.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	200 to 270	°C	
Mold Temperature	25.0 to 60.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	65.0 to 75.0	°C	

Drying Time	4.0 to 6.0	hr
Melt Temperature	210 to 230	°C

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