

Pebax® MH 1657

Polyether Block Amide

Arkema

Message:

Polyether block amide Pebax® MH 1657 is a thermoplastic elastomer made of flexible polyether and rigid polyamide.

Pebax® MH 1657 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.

This hydrophilic grade when extruded into either a thin film or laminated on to a substrate also offers excellent permeability to moisture vapor while remaining waterproof.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Hydrophilic		
Uses	Film		
	Laminates		
	Membranes		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Water Absorption			ISO 62
23°C, 24 hr	120	%	
Equilibrium, 23°C, 50% RH	4.5	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	40		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	80.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	204	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9	ohms	IEC 60093
Volume Resistivity	2.0E+9	ohms · cm	IEC 60093
Charge Decay Time	< 1.0	sec	MIL B-81705
Optical	Nominal Value		Test Method
Refractive Index	1.508		Internal Method
Injection	Nominal Value	Unit	

Drying Temperature	70.0 to 90.0	°C
Drying Time	5.0 to 7.0	hr
Processing (Melt) Temp	230 to 260	°C
Mold Temperature	25.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	70.0 to 90.0	°C
Drying Time	5.0 to 7.0	hr
Melt Temperature	230 to 280	°C

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