

Pebax® MV 1074 SP 01

Polyether Block Amide

Arkema

Message:

Polyether block amide Pebax® MV 1074 SP 01 is a thermoplastic elastomer made of flexible and hydrophilic polyether and rigid polyamide.

Pebax® MV 1074 SP 01 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 offers excellent permeability to moisture vapor while remaining waterproof.

This SP grade has been developed to be heat and UV resistant.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Good UV Resistance		
	Hydrophilic		
	Medium Heat Resistance		
Uses	Blending		
	Compounding		
	Membranes		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
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 Stress (Break)	30.0	MPa	ISO 527-2
Tensile Strain (Break)	> 700	%	ISO 527-2
Flexural Modulus	80.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	158	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+9	ohms	IEC 60093
Volume Resistivity	2.5E+9	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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