

Pebax® MV 3000 SP 01

Polyether Block Amide

Arkema

Message:

Polyether block amide Pebax® MV 3000 SP 01 is a thermoplastic elastomer made of flexible polyether and rigid polyamide. 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 is specifically designed for outdoor application that needs excellent weather resistance properties.

General Information			
Features	Good Weather Resistance		
Uses	Film		
	Laminates		
Processing Method	Blown Film		
	Cast Film		
	Coating		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Water Absorption			ISO 62
23°C, 24 hr	28	%	
Equilibrium, 23°C, 50% RH	1.0	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	35		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	35.0	MPa	ISO 527-2
Tensile Strain (Break)	> 450	%	ISO 527-2
Flexural Modulus	45.0	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission ¹			ASTM E96
-- ²	19000 to 25000	g/m ² /24 hr	
-- ³	3100 to 4000	g/m ² /24 hr	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	158	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	4.0 to 8.0	hr	
Melt Temperature	190 to 250	°C	
NOTE			
1.	15 µm, 38°C, 90% RH		
2.	Procedure BW		

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