

Pebax® MV 1041 SA 01

Polyether Block Amide

Arkema

Message:

Polyether block amide Pebax® MV 1041 SA 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 and offering an excellent barrier layer to bacteria. This SA grade is specially designed to food uses.

General Information			
Additive	Antistatic		
Features	Antistatic		
	Hydrophilic		
Uses	Film		
	Laminates		
	Membranes		
	Non-specific Food Applications		
Processing Method	Blown Film		
	Cast Film		
	Coating		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Secant Modulus vs. Strain (ISO 11403-1)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Water Absorption			ISO 62
23°C, 24 hr	12	%	
Equilibrium, 23°C, 50% RH	0.90	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	44.0	MPa	ISO 527-2
Tensile Strain (Break)	> 400	%	ISO 527-2
Flexural Modulus	270	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission ¹			ASTM E96
-- ²	8000	g/m ² /24 hr	
-- ³	2200	g/m ² /24 hr	

Thermal	Nominal Value	Unit	Test Method
Melting Temperature	170	°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.	15µm, 38°C, 90% RH		
2.	Procedure BW		
3.	Procedure E		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

