

Evonik Corporation Vestamid® X7375 nf (dry properties) Polyether Block Amide (PEBA)

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyether Block Amide (PEBA)

Material Notes:

Uses: Ski upper surfaces.ISO data as provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestamid-X7375-nf-dry-properties-Polyether-Block-Amide-PEBA.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
Water Absorption	1.0 %	1.0 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	
Tensile Strength, Yield	31.0 MPa	4500 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	19 %	19 %	
Modulus of Elasticity	0.750 GPa	109 ksi	
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	4.40 J/cm ²	20.9 ft-lb/in ²	
	0.700 J/cm ²	3.33 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 µm/m-°C	55.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	100 µm/m-°C	55.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	
Deflection Temperature at 1.8 MPa			

(264 psi) Thermal Properties	45.0 °C Metric	113 °F English	Comments
Vicat Softening Point	130 °C	266 °F	50°C/hr/50 N
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.00e+13 ohm-cm	2.00e+13 ohm-cm	
Dielectric Constant	4.0 @Frequency 1e+6 Hz	4.0 @Frequency 1e+6 Hz	
Dielectric Strength	7.0 @Frequency 100 Hz	7.0 @Frequency 100 Hz	
Dissipation Factor	30.0 kV/mm	762 kV/in	
	0.076 @Frequency 1e+6 Hz	0.076 @Frequency 1e+6 Hz	
	0.15 @Frequency 100 Hz	0.15 @Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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