

## Evonik Corporation Vestamid® X4442 nf (dry properties) Polyether Block Amide (PEBA)

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

### Material Notes:

Uses: Sport articles.ISO data as provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-Vestamid-X4442-nf-dry-properties-Polyether-Block-Amide-PEBA.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestamid-X4442-nf-dry-properties-Polyether-Block-Amide-PEBA.php)

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	
Tensile Strength, Yield	27.0 MPa	3920 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	25 %	25 %	
Modulus of Elasticity	0.530 GPa	76.9 ksi	
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	NB	NB	
	0.900 J/cm <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	
	@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)	45.0 °C	113 °F	

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

Electrical Properties	Metric	English	Comments
Electrical Resistivity	7.00e+12 ohm-cm	7.00e+12 ohm-cm	
Dielectric Constant	4.0 @Frequency 1e+6 Hz	4.0 @Frequency 1e+6 Hz	
	9.0 @Frequency 100 Hz	9.0 @Frequency 100 Hz	
Dielectric Strength	32.0 kV/mm	813 kV/in	
Dissipation Factor	0.11 @Frequency 1e+6 Hz	0.11 @Frequency 1e+6 Hz	
	0.14 @Frequency 100 Hz	0.14 @Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China