

EPICHEM Epinyl PA 66 Polyamide 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_EPICHEM-Epinyl-PA-66-Polyamide-66.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792, ISO 1183
Water Absorption	8.0 % @Temperature 23.0 °C	8.0 % @Temperature 73.4 °F	24h; ASTM D570, ISO 62
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	100	100	ASTM D785, ISO 2039/2
Tensile Strength, Yield	85.0 MPa	12300 psi	ASTM D638, ISO R527
Elongation at Break	50 %	50 %	ASTM D638, ISO R527
Flexural Strength	120 MPa	17400 psi	ASTM D790, ISO 178
Flexural Modulus	2.80 GPa	406 ksi	ASTM D790, ISO 178
Izod Impact, Notched	0.500 J/cm @Thickness 3.20 mm, Temperature 23.0 °C	0.937 ft-lb/in @Thickness 0.126 in, Temperature 73.4 °F	ASTM D256, ISO 180/4a

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 °C	158 °F	20000 h; VDE 0304/P2-1, IEC 216
	85.0 °C	185 °F	5000 h; VDE 0304/P2-1, IEC 216
	200 °C	392 °F	few hours; VDE 0304/P2-1, IEC 216
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ASTM D648, ISO 75
Vicat Softening Point	235 °C @Load 5.00 kg	455 °F @Load 11.0 lb	120°C/min; ASTM D1525/B, ISO 306/B
	250 °C @Load 0.999 kg	482 °F @Load 2.20 lb	120°C/min; ASTM D1525/A, ISO 306/A
	HB	HB	

Flammability UL 94 Thermal Properties	Metric @Thickness 1.60 mm	English @Thickness 0.0630 in	Comments
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	ASTM D257, IEC 93
Dielectric Constant	3.5 @Frequency 1000 Hz	3.5 @Frequency 1000 Hz	ASTM D150, IEC 250
Dielectric Strength	110 kV/mm	2790 kV/in	ASTM D149, IEC 243
Dissipation Factor	0.020 @Frequency 1000 Hz	0.020 @Frequency 1000 Hz	ASTM D150, IEC 250
Comparative Tracking Index	600 V	600 V	VDE 0303-P1, IEC 112

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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