

EPICHEM Epinyl PA 6 GF 30 Polyamide 6, 30% Glass

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Characteristics: medium viscosity, 30% glass fibre, excellent mechanical properties

Order this product through the following link:

http://www.lookpolymers.com/polymer_EPICHEM-Epinyl-PA-6-GF-30-Polyamide-6-30-Glass.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792, ISO 1183
Water Absorption	6.5 %	6.5 %	24h; ASTM D570, ISO 62
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Linear Mold Shrinkage	0.0020 - 0.010 cm/cm	0.0020 - 0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	115	115	ASTM D785, ISO 2039/2
Tensile Strength, Yield	180 MPa	26100 psi	ASTM D638, ISO R527
Elongation at Break	3.5 %	3.5 %	ASTM D638, ISO R527
Flexural Strength	245 MPa	35500 psi	ASTM D790, ISO 178
Flexural Modulus	7.80 GPa	1130 ksi	ASTM D790, ISO 178
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM D256, ISO 180/4a
	@Thickness 3.20 mm, Temperature 23.0 °C	@Thickness 0.126 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	20000 h; VDE 0304/P2-1, IEC 216
	110 °C	230 °F	5000 h; VDE 0304/P2-1, IEC 216
	180 °C	356 °F	few hours; VDE 0304/P2-1, IEC 216
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ASTM D648, ISO 75
Vicat Softening Point	205 °C	401 °F	120°C/min; ASTM D1525/B, ISO 306/B
	@Load 5.00 kg	@Load 11.0 lb	
	210 °C	410 °F	120°C/min; ASTM D1525/A, ISO 306/A
	@Load 0.999 kg	@Load 2.20 lb	

Thermal Properties Flammability, UL 94	Metric	English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	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	3.7	3.7	ASTM D150, IEC 250
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	80.0 kV/mm	2030 kV/in	ASTM D149, IEC 243
Dissipation Factor	0.015	0.015	ASTM D150, IEC 250
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Comparative Tracking Index	550 V	550 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