

E-Polymers SEPAZ® LB30 PA6 LFT Resin

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Long Fiber Thermoplastics: SEPAZ LFT products, injection moldable long fiber-reinforced thermoplastics (LFT), are made using a unique pultrusion that thoroughly wets out the glass fibers and delivers optimal reinforcement to the plastic matrix in contrast to conventional short glass fiber-reinforced thermoplastics. Molded parts made of SEPAZ LFT are used in virtually every sector of consumer and industrial manufacturing, including automotive, recreation & sports, marine, food & beverage. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-SEPAZ-LB30-PA6-LFT-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0040 cm/cm	0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	161.9 MPa	23480 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	240.35 MPa	34860 psi	ASTM D790
Flexural Modulus	8.3385 GPa	1209.4 ksi	ASTM D790
Izod Impact, Notched	2.35 J/cm @Temperature 23.0 °C	4.41 ft-lb/in @Temperature 73.4 °F	ASTM D256
	2.35 J/cm @Temperature -30.0 °C	4.41 ft-lb/in @Temperature -22.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 280 °C	482 - 536 °F	

Processing Properties	Metric 100 °C	English 212 °F	Comments
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