

E-Polymers SEPAZ® LH50 PP Homopolymer LFT Resin

Category : Polymer , Thermoplastic , Polypropylene (PP)

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-LH50-PP-Homopolymer-LFT-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Water Absorption	0.020 % @Time 86400 sec	0.020 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	132.4 MPa	19210 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	206.01 MPa	29879 psi	ASTM D790
Flexural Modulus	10.30 GPa	1494 ksi	ASTM D790
Izod Impact, Notched	2.65 J/cm @Temperature 23.0 °C	4.96 ft-lb/in @Temperature 73.4 °F	ASTM D256
	2.65 J/cm @Temperature -30.0 °C	4.96 ft-lb/in @Temperature -22.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	165 °C	329 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 230 °C	428 - 446 °F	

Processing Properties	Metric 70.0 °C	English 158 °F	Comments
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