

E-Polymers SEPAZ® LB50 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-LB50-PA6-LFT-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 g/cc	1.56 g/cc	ASTM D792
Water Absorption	0.90 % @Time 86400 sec	0.90 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0018 cm/cm	0.0018 in/in	
Linear Mold Shrinkage, Transverse	0.0022 cm/cm	0.0022 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	235.44 MPa	34148 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	323.73 MPa	46953 psi	ASTM D790
Flexural Modulus	12.753 GPa	1849.7 ksi	ASTM D790
Izod Impact, Notched	3.43 J/cm @Temperature 23.0 °C	6.43 ft-lb/in @Temperature 73.4 °F	ASTM D256
	3.43 J/cm @Temperature -30.0 °C	6.43 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	270 - 290 °C	518 - 554 °F	

Processing Properties

Metric 120 °C

English 248 °F

Comments

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