

E-Polymers SEPAZ® C130HS 30% Glass Fiber Reinforced High Temperature Stabilized LCP Resin

Category : Polymer , Thermoplastic , Liquid Crystal Polymer (LCP) , Liquid Crystal Polymer (LCP), 30% Glass Fiber Filled

Material Notes:

Liquid Crystal Polymer Resin: SEPAZ LCP resin has a unique structure and performance unthought of in a traditional plastics. Beside SEPAZ LCP takes the excels in all-around performance and molding productivity. SEPAZ LCP has a unique attribute in that the thinner the product becomes, the greater the mechanical strength. SEPAZ LCP finds uses in connectors, sensors and other electronic components and CD pick-up parts, and in copying machine and fax components in office and audio-visual equipment. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-SEPAZ-C130HS-30-Glass-Fiber-Reinforced-High-Temperature-Stabilized-LCP-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.66 g/cc	1.66 g/cc	ASTM D792
Linear Mold Shrinkage	0.0012 cm/cm	0.0012 in/in	
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	151.1 MPa	21910 psi	ASTM D638
Elongation at Break	2.1 %	2.1 %	ASTM D638
Flexural Strength	196.2 MPa	28460 psi	ASTM D790
Flexural Modulus	14.52 GPa	2106 ksi	ASTM D790
Izod Impact, Notched	0.981 J/cm	1.84 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	335 °C	635 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	280 °C	536 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Melt Temperature	350 - 370 °C	662 - 698 °F	
Mold Temperature	30.0 - 95.0 °C	86.0 - 203 °F	

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