

E-Polymers SEPAZ® C240GM 40% Glass Fiber/Mineral Reinforced LCP Resin

Category : Polymer , Thermoplastic , Liquid Crystal Polymer (LCP)

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-C240GM-40-Glass-FiberMineral-Reinforced-LCP-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.74 g/cc	1.74 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	130.5 MPa	18920 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Flexural Strength	181.49 MPa	26323 psi	ASTM D790
Flexural Modulus	12.753 GPa	1849.7 ksi	ASTM D790
Izod Impact, Notched	0.392 J/cm	0.735 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	352 °C	666 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	300 °C	572 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 370 °C	680 - 698 °F	
Mold Temperature	40.0 - 150 °C	104 - 302 °F	

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