

## E-Polymers SEPAZ® C230GI 30% Glass Fiber Reinforced Good Impact 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-C230GI-30-Glass-Fiber-Reinforced-Good-Impact-LCP-Resin.php](http://www.lookpolymers.com/polymer_E-Polymers-SEPAZ-C230GI-30-Glass-Fiber-Reinforced-Good-Impact-LCP-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792
Linear Mold Shrinkage	0.00 cm/cm	0.00 in/in	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	150.1 MPa	21770 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Flexural Strength	183.45 MPa	26607 psi	ASTM D790
Flexural Modulus	13.1 GPa	1900 ksi	ASTM D790
Izod Impact, Notched	2.16 J/cm	4.04 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	14.0 $\mu\text{m}/\text{m}\cdot\text{C}$	7.78 $\mu\text{in}/\text{in}\cdot\text{F}$	ASTM D696
	@Thickness 1.60 mm	@Thickness 0.0630 in	
CTE, linear, Transverse to Flow	36.0 $\mu\text{m}/\text{m}\cdot\text{C}$	20.0 $\mu\text{in}/\text{in}\cdot\text{F}$	ASTM D696
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Melting Point	352 $^{\circ}\text{C}$	666 $^{\circ}\text{F}$	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	289 $^{\circ}\text{C}$	552 $^{\circ}\text{F}$	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
Dielectric Constant	3.8	3.8	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	24.0 kV/mm	610 kV/in	ASTM D149
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Dissipation Factor	0.029	0.029	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	365 - 375 °C	689 - 707 °F	
Mold Temperature	30.0 - 150 °C	86.0 - 302 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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