

PolyOne Edgetek® LC-30GF/000 LCP (Liquid Crystal Polymer), 30% Glass Reinforced, Hi-Temp (discontinued **)<

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

Material Notes:

Information provided by PolyOne™ Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-LC-30GF000-LCP-Liquid-Crystal-Polymer-30-Glass-Reinforced-Hi-Temp-nbspdiscontinued-lt.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ASTM D792
Water Absorption	0.020 % @Thickness 3.17 mm	0.020 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	159 MPa	23000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	1.0 - 3.0 %	1.0 - 3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	14.5 GPa	2100 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	214 MPa	31000 psi	ASTM D790
Flexural Modulus	13.1 GPa	1900 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 ft-lb/in	Method A, Injection Molded, 0.125 in bars, 73°F; ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	243 °C	470 °F	Unannealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 343 °C	600 - 650 °F	Molding

Descriptive Properties	Value	Comments
Processing Method	Injection Molding	

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