

PolyOne Stat-Tech™ LC-20NCF/000 V3 RD 4020 Liquid Crystal Polymer (LCP)

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

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-LC-20NCF000-V3-RD-4020-Liquid-Crystal-Polymer-LCP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	<= 0.00010 cm/cm	<= 0.00010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	103 MPa	14900 psi	ASTM D638
Elongation at Break	1.0 %	1.0 %	ASTM D638
Tensile Modulus	15.2 GPa	2200 ksi	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	12.4 GPa	1800 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 100 ohm-cm	<= 100 ohm-cm	ASTM D257
Surface Resistance	<= 1000 ohm	<= 1000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 343 °C	601 - 649 °F	
Mold Temperature	135 - 149 °C	275 - 300 °F	
Drying Temperature	135 - 149 °C	275 - 300 °F	

Descriptive Properties	Value	Comments
Features	Electrically Conductive	
	Electromagnetic Shielding (EMI)	
	Radio Frequency Shielding (RFI)	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	LCP	
Generic Name	Liquid Crystal Polymer (LCP)	
Processing Method	Injection Molding	
Regional Availability	North America	

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