

PolyOne Stat-Tech™ LC-40CF/000 Natural LCP (Liquid Crystal Polymer), 40% Carbon Fiber Reinforced, Electrically Conductive, EMI/RFI Shielding

Category : Polymer , Thermoplastic , Liquid Crystal Polymer (LCP) , Liquid Crystal Polymer (LCP), 40% Glass Fiber Filled

Material Notes:

Information provided by PolyOne™ Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-LC-40CF000-Natural-LCP-Liquid-Crystal-Polymer-40-Carbon-Fiber-Reinforced-Electrically-Conductive-EMIRFI-Shielding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ASTM D792
Linear Mold Shrinkage	0.00010 cm/cm	0.00010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	117 MPa	17000 psi	ASTM D638
Elongation at Break	0.50 %	0.50 %	ASTM D638
Tensile Modulus	34.5 GPa	5000 ksi	ASTM D638
Flexural Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	27.6 GPa	4000 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	<= 1e+05	<= 1e+05	ASTM D257
Surface Resistivity per Square	<= 1.00e+7 ohm	<= 1.00e+7 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	316 - 343 °C	600 - 650 °F	
Mold Temperature	135 - 149 °C	275 - 300 °F	
Drying Temperature	135 - 149 °C	275 - 300 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China