

## SABIC Innovative Plastics LNP STAT-KON 9X08403C Liquid Crystal Polymer (LCP)

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

### Material Notes:

LNP\* STAT-KON\* 9X08403C is a compound based on Liquid Crystal Polymer (LCP) resin containing Carbon Fiber. Added features of this material are: Clean Compounding System, High Temperature, Flame Retardant, Electrically Conductive, Good barrier against water and oxygen.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-9X08403C-Liquid-Crystal-Polymer-LCP.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-9X08403C-Liquid-Crystal-Polymer-LCP.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ASTM D792
Density	1.46 g/cc	0.0527 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0052 cm/cm	0.0052 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	153 MPa	22200 psi	Type I, 5 mm/min; ASTM D638
Elongation at Yield	2.7 %	2.7 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	14.8 GPa	2150 ksi	5 mm/min; ASTM D638
Flexural Strength	53.0 MPa	7690 psi	ASTM D790
Flexural Modulus	14.4 GPa	2090 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.870 J/cm	1.63 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.26 J/cm	15.5 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	280 Â°C @Thickness 3.20 mm	536 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1e+05 - 1.00e+9 ohm-cm	1e+05 - 1.00e+9 ohm-cm	ASTM D257
Surface Resistance	1e+05 - 1.00e+9 ohm	1e+05 - 1.00e+9 ohm	ASTM D257

## **Contact Songhan Plastic Technology Co.,Ltd.**

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