

## LNP Stat-Kon® LC-1003 EM Polyetheretherketone, Carbon Fiber Reinforcement (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Carbon Fiber Filled

### Material Notes:

Features: Good Moldability, Electrically Conductive  
Forms: Pellets  
Processing Method: Injection Molding  
Information provided by LNP, a GE Plastics Company. This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LNP-Stat-Kon-LC-1003-EM-Polyetheretherketone-Carbon-Fiber-Reinforcement-nbspdiscontinued.php](http://www.lookpolymers.com/polymer_LNP-Stat-Kon-LC-1003-EM-Polyetheretherketone-Carbon-Fiber-Reinforcement-nbspdiscontinued.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	Method A; ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	ASTM D638
Tensile Strength, Yield	160 MPa	23200 psi	ASTM D638
Elongation at Break	1.8 %	1.8 %	ASTM D638
Elongation at Yield	1.8 %	1.8 %	ASTM D638
Tensile Modulus	11.5 GPa	1670 ksi	ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
Flexural Modulus	9.51 GPa	1380 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 3.18 mm	0.701 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	4.00 J/cm @Thickness 3.18 mm	7.49 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	4.30 kJ/m <sup>2</sup>	2.05 ft-lb/in <sup>2</sup>	ISO 180
Izod Impact, Unnotched (ISO)	29.3 kJ/m <sup>2</sup>	13.9 ft-lb/in <sup>2</sup>	ISO 180
Falling Dart Impact	4.40 J	3.25 ft-lb	ASTM D3763
Impact Test	1.80 J	1.33 ft-lb	Multi-Axial Instrumented Impact Energy; ISO 6603-2

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	270 °C	518 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 - 1.00e+7 ohm	1000 - 1.00e+7 ohm	ASTM D4496

Processing Properties	Metric	English	Comments
Melt Temperature	379 - 388 °C	714 - 730 °F	
Mold Temperature	135 - 163 °C	275 - 325 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.010 %	0.010 %	Suggested
Back Pressure	0.345 - 0.689 MPa	50.0 - 99.9 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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