

SABIC Innovative Plastics LNP Stat-kon DX02731C PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP STAT-KON* DX02731C is a compound based on Polycarbonate resin containing Carbon Fiber. Added features of this material include:
Electrically Conductive. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-DX02731C-PC.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	113 MPa	16400 psi	ASTM D 638
Elongation at Break	5.0 %	5.0 %	ASTM D 638
Flexural Strength	175 MPa	25400 psi	ASTM D 790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D 790
Izod Impact, Notched	0.640 J/cm @Temperature 23.0 Â°C	1.20 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	5.34 J/cm @Temperature 23.0 Â°C	10.0 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	143 Â°C @Thickness 3.20 mm	289 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.0 ohm-cm	2.0 ohm-cm	ASTM D 257
Surface Resistance	5.0 ohm	5.0 ohm	ASTM D 257

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