

SABIC Innovative Plastics LNP Stat-kon DE008E PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Stat-kon* DE008E is a compound based on Polycarbonate resin containing Carbon Fiber. Added features of this material include: Electrically Conductive, Easy Molding. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-DE008E-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	158 MPa	22900 psi	5 mm/min; ISO 527
Elongation at Break	0.80 %	0.80 %	5 mm/min; ISO 527
Tensile Modulus	27.0 GPa	3920 ksi	1 mm/min; ISO 527
Flexural Yield Strength	222 MPa	32200 psi	2 mm/min; ISO 178
Flexural Modulus	19.6 GPa	2840 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ² @Temperature 23.0 Â°C	3.33 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ² @Temperature 23.0 Â°C	11.9 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Transverse to Flow	18.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	10.0 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	136 Â°C	277 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	129 Â°C	264 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D 257

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