

SABIC Innovative Plastics LNP STAT-KON CD000I PS (Asia Pacific)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

LNP* Stat-kon* CD000I is a compound based on Polystyrene resin containing Carbon Powder. Added features of this material include:
Electrically Conductive, High Impact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-CD000I-PS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	6.6 %	6.6 %	ASTM D638
Tensile Modulus	2.17 GPa	315 ksi	50 mm/min; ASTM D638
Flexural Strength	41.0 MPa	5950 psi	ASTM D790
Flexural Modulus	2.69 GPa	390 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.84 J/cm	7.19 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	73.0 Â°C @Thickness 3.20 mm	163 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 ohm	ASTM D257

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