

SABIC Innovative Plastics LNP STAT-KON WS002I PBT (Asia Pacific)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

LNP* Stat-kon* WS002I is a compound based on Polybutylene Terephthalate resin containing Stainless Steel. 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-WS002I-PBT-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.016 cm/cm @Time 86400 sec	0.016 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.020 cm/cm @Time 86400 sec	0.020 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	36.0 MPa	5220 psi	ASTM D638
Tensile Modulus	1.10 GPa	160 ksi	50 mm/min; ASTM D638
Flexural Strength	55.0 MPa	7980 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256
Izod Impact, Unnotched	12.01 J/cm	22.50 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	137 Â°C @Thickness 3.20 mm	279 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1.00e+6 ohm	10 - 1.00e+6 ohm	ASTM D257

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