

SABIC Innovative Plastics LNP Stat-kon WX98547 PBT

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

Material Notes:

LNP* Stat-kon* WX98547 is a compound based on Polybutylene Terephthalate resin containing Carbon Powder. 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-WX98547-PBT.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0090 cm/cm	0.0090 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
	0.0091 cm/cm	0.0091 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
	0.0103 cm/cm	0.0103 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ASTM D 638
Elongation at Break	5.1 %	5.1 %	ASTM D 638
Tensile Modulus	2.28 GPa	331 ksi	50 mm/min; ASTM D 638
Flexural Strength	68.0 MPa	9860 psi	ASTM D 790
Flexural Modulus	2.06 GPa	299 ksi	ASTM D 790
Izod Impact, Notched	0.740 J/cm	1.39 ft-lb/in	ASTM D 256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 Â°C	178 Â°F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	100 ohm	100 ohm	ASTM D 257

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