

SABIC Innovative Plastics LNP STAT-KON SE002Z PA 12 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

LNP* Stat-kon* SE002Z is a compound based on Nylon 12 resin containing Carbon Fiber. Added features of this material include:
Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-SE002Z-PA-12-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0050 cm/cm @Time 86400 sec	0.0050 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	8.70 GPa	1260 ksi	1 mm/min; ISO 527
Flexural Modulus	7.00 GPa	1020 ksi	ISO 178
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	160 Â°C	320 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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

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