

SABIC Innovative Plastics LNP STAT-KON RE006 PA6.6 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP STAT-KON RE006 is a compound based on Nylon 66 containing carbon fiber. Added features of this material include: Electrically Conductive. Also known as STAT-KON RC-1006

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-RE006-PA66-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 cm/cm @Time 86400 sec	0.0010 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.010 cm/cm @Time 86400 sec	0.010 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	273 MPa	39600 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.9 %	1.9 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	407 MPa	59000 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	21.0 GPa	3050 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	11.74 J/cm	21.99 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.06 J/cm	1.99 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	252 Â°C @Thickness 3.20 mm	486 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 ohm	1000 ohm	ASTM D257

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