

SABIC Innovative Plastics LNP THERMOCOMP RC008ESS PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RC008ESS is a compound based on PA66 resin containing Carbon Fiber. Added features include; Electrically Conductive, Easy Molding, Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-RC008ESS-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Time 86400 sec	0.0020 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0080 cm/cm @Time 86400 sec	0.0080 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	254 MPa	36800 psi	5 mm/min; ISO 527
Elongation at Break	2.7 %	2.7 %	5 mm/min; ISO 527
Tensile Modulus	22.9 GPa	3320 ksi	1 mm/min; ISO 527
Flexural Yield Strength	375 MPa	54400 psi	2 mm/min; ISO 178
Flexural Modulus	24.6 GPa	3570 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	70.0 kJ/m ²	33.3 ft-lb/in ²	80*10*4; ISO 180/1U

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 100 ohm	10 - 100 ohm	ASTM D257

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