

SABIC Innovative Plastics LNP THERMOCOMP RX04515H PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Thermocomp* RX04515H is a compound based on Nylon 66 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-THERMOCOMP-RX04515H-PA-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm @Time 86400 sec	0.0020 - 0.0040 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm @Time 86400 sec	0.0040 - 0.0060 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	278 MPa	40300 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.6 %	1.6 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	30.8 GPa	4470 ksi	5 mm/min; ASTM D638
Flexural Strength	413 MPa	59900 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	23.7 GPa	3440 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	1.01 J/cm	1.89 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.71 J/cm	18.2 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	255 Â°C @Thickness 3.20 mm	491 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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