

SABIC Innovative Plastics LNP Thermocomp RFZ71S PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Thermocomp* RFZ71S is a compound based on Nylon 66 resin containing Glass Fiber, Milled Glass. Added features of this material include: Heat Stabilized. 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-Thermocomp-RFZ71S-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Time 86400 sec	0.0070 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	82.0 MPa	11900 psi	ASTM D 638
Elongation at Break	3.3 %	3.3 %	ASTM D 638
Tensile Modulus	8.67 GPa	1260 ksi	50 mm/min; ASTM D 638
Flexural Strength	137 MPa	19900 psi	ASTM D 790
Flexural Modulus	6.29 GPa	912 ksi	ASTM D 790
Izod Impact, Notched	0.420 J/cm @Temperature 23.0 Â°C	0.787 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	3.82 J/cm @Temperature 23.0 Â°C	7.16 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	223 Â°C @Thickness 3.20 mm	433 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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