

SABIC Innovative Plastics LNP THERMOCOMP RFZ22S PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RFZ22S is a compound based on Nylon 66 resin containing 10% Glass Fiber, 10% Milled Glass. Added features of this material include: Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-RFZ22S-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ASTM D638
	117 MPa	17000 psi	ISO 527
Elongation at Break	3.6 %	3.6 %	ASTM D638
Elongation at Yield	2.8 %	2.8 %	ASTM D638
Tensile Modulus	6.43 GPa	933 ksi	1 mm/min; ISO 527
	6.46 GPa	937 ksi	50 mm/min; ASTM D638
Flexural Strength	179 MPa	26000 psi	ASTM D790
Flexural Modulus	5.30 GPa	769 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.51 J/cm	8.45 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	258 Â°C	496 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	241 Â°C	466 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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