SABIC Innovative Plastics LNP THERMOCOMP RF00CSXZ PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RF00CSXZ is a compound based on Recycled Nylon 66 resin containing 60% Glass Fiber. 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-RF00CSXZ-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/inÂ³	ASTM D792
	1.72 g/cc	0.0621 lb/inÂ³	ISO 1183
Moisture Absorption	0.300 %	0.300 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0029 cm/cm @Time 86400 sec	0.0029 in/in @Time 24.0 hour	ISO 294
	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 cm/cm @Time 86400 sec	0.0040 in/in @Time 24.0 hour	ASTM D955
	0.0044 cm/cm @Time 86400 sec	0.0044 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	253 MPa	36700 psi	ASTM D638
	253 MPa	36700 psi	ISO 527
Tensile Strength, Yield	253 MPa	36700 psi	ASTM D638
	253 MPa	36700 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
	2.2 %	2.2 %	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ISO 527
	2.2 %	2.2 %	ASTM D638
Tensile Modulus	21.36 GPa	3098 ksi	1 mm/min; ISO 527

Mechanical Properties	Metric	English	Comments
	21.37 GPa	3099 ksi	50 mm/min; ASTM D638
Flexural Strength	358 MPa	51900 psi	ASTM D790
	375 MPa	54400 psi	ISO 178
Flexural Modulus	19.3 GPa	2800 ksi	ASTM D790
	20.0 GPa	2900 ksi	ISO 178
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	12.28 J/cm	23.01 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	19.0 kJ/mÂ²	9.04 ft-lb/inÂ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	76.0 kJ/mÂ²	36.2 ft-lb/inÂ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	10.0 J	7.38 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	37.8 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	21.0 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
	38.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	21.1 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	16.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	8.89 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2
	16.2 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	9.00 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	260 Â°C	500 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	260 Â°C @Thickness 3.20 mm	500 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	254 Â°C	489 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	255 Â°C @Thickness 3.20 mm	491 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China