

SABIC Innovative Plastics LNP THERMOCOMP RF005SXS PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP THERMOCOMP* RF005SXS is a compound based on Nylon 66 resin containing 25% 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-RF005SXS-PA-66.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ISO 1183
	1.346 g/cc	0.04863 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0034 cm/cm	0.0034 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.014 cm/cm	0.014 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	132 MPa	19100 psi	ASTM D638
	139 MPa	20200 psi	ISO 527
Elongation at Break	1.9 %	1.9 %	ASTM D638
	2.0 %	2.0 %	ISO 527
Tensile Modulus	8.60 GPa	1250 ksi	1 mm/min; ISO 527
	9.10 GPa	1320 ksi	50 mm/min; ASTM D638
Flexural Strength	197 MPa	28600 psi	ASTM D790
	205 MPa	29700 psi	ISO 178
Flexural Modulus	7.23 GPa	1050 ksi	ASTM D790
	8.30 GPa	1200 ksi	ISO 178

Izod Impact, Notched Mechanical Properties	0.690 J/cm Metric	1.29 ft-lb/in English	ASTM D256 Comments
Izod Impact, Unnotched	4.85 J/cm	9.09 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	6.00 kJ/mÂ²	2.86 ft-lb/inÂ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	33.0 kJ/mÂ²	15.7 ft-lb/inÂ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	6.00 J	4.43 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	1.00 J	0.738 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	258 Â°C @Thickness 3.20 mm	496 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	224 Â°C @Thickness 3.20 mm	435 Â°F @Thickness 0.126 in	Flatw 80*10*4 sp=64mm; ISO 75/Af unannealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL 94 by SABIC-IP

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