

SABIC Innovative Plastics LNP Thermocomp RF005 PA 66 (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Thermocomp* RF005 is a compound based on Nylon 66 resin containing Glass Fiber. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-RF005-PA-66-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	132 MPa	19100 psi	ASTM D 638
	139 MPa	20200 psi	ISO 527
Elongation at Break	1.9 %	1.9 %	ASTM D 638
	2.0 %	2.0 %	ISO 527
Tensile Modulus	8.30 GPa	1200 ksi	1 mm/min; ISO 527
	9.10 GPa	1320 ksi	50 mm/min; ASTM D 638
Flexural Strength	193 MPa	28000 psi	ASTM D 790
	205 MPa	29700 psi	ISO 178
Flexural Modulus	7.23 GPa	1050 ksi	ASTM D 790
	8.30 GPa	1200 ksi	ISO 178
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched	4.80 J/cm	8.99 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	6.00 kJ/m ²	2.86 ft-lb/in ²	

Mechanical Properties	Metric	English	Comments
	@ Temperature 23.0 Â°C	@ Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	33.0 kJ/mÂ² @Temperature 23.0 Â°C	15.7 ft-lb/inÂ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603
	7.00 J @Temperature 23.0 Â°C	5.16 ft-lb @Temperature 73.4 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763

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 D 648
Deflection Temperature at 1.8 MPa (264 psi)	224 Â°C	435 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	245 Â°C @Thickness 3.20 mm	473 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
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