

SABIC Innovative Plastics LNP THERMOCOMP RX12402 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Thermocomp* RX12402 is a compound based on PA66 containing 60% Glass Fiber. Added feature is Superior Flow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-RX12402-PA-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	ASTM D792
Density	1.72 g/cc	0.0621 lb/in ³	ASTM D792
Moisture Absorption	0.480 %	0.480 %	50% RH, 24 hrs; ASTM D570
	0.730 %	0.730 %	23 ^o C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Time 86400 sec	0.0030 - 0.0050 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0090 - 0.020 cm/cm @Time 86400 sec	0.0090 - 0.020 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	240 MPa	34800 psi	5 mm/min; ISO 527
	241 MPa	35000 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.2 %	2.2 %	5 mm/min; ISO 527
	2.4 %	2.4 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	20.57 GPa	2983 ksi	1 mm/min; ISO 527
	21.84 GPa	3168 ksi	5 mm/min; ASTM D638
Flexural Strength	357 MPa	51800 psi	ISO 178
	371 MPa	53800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	17.9 GPa	2600 ksi	1.3 mm/min, 50 mm span; ASTM D790
	18.12 GPa	2628 ksi	2 mm/min; ISO 178
Izod Impact, Notched	1.53 J/cm	2.87 ft-lb/in	ASTM D256
Izod Impact, Unnotched	12.5 J/cm	23.4 ft-lb/in	ASTM D4812

Mechanical Properties	Metric	English	Comments
Izod Impact, Unnotched (ISO)	75.0 kJ/m ²	35.7 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	10.0 J @Temperature 23.0 Â°C	7.38 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	4.00 J	2.95 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	10.6 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	1.00 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	0.556 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	250 Â°C	482 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	253 Â°C @Thickness 3.20 mm	487 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	237 Â°C	459 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	240 Â°C @Thickness 3.20 mm	464 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL 94

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