

SABIC Innovative Plastics LNP THERMOCOMP RF0049SP PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* THERMOCOMP* RF0049SP is a compound based on Nylon 66 containing 20% Glass Fiber. Added features of this grade include:
Flame Retardant, Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-RF0049SP-PA-66.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-----------------------|---------------------------|-----------|
| Density | 1.55 g/cc | 0.0560 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0040 - 0.0060 cm/cm | 0.0040 - 0.0060 in/in | ASTM D955 |
| | @Time 86400 sec | @Time 24.0 hour | |
| Linear Mold Shrinkage, Transverse | 0.010 - 0.030 cm/cm | 0.010 - 0.030 in/in | ASTM D955 |
| | @Time 86400 sec | @Time 24.0 hour | |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|------------------------|----------------------------|-----------------------------------|
| Tensile Strength at Break | 140 MPa | 20300 psi | Type I, 5 mm/min; ASTM D638 |
| | 140 MPa | 20300 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 2.2 % | 2.2 % | 5 mm/min; ISO 527 |
| | 2.4 % | 2.4 % | Type I, 5 mm/min; ASTM D638 |
| Elongation at Yield | 2.3 % | 2.3 % | Type I, 5 mm/min; ASTM D638 |
| Tensile Modulus | 9.60 GPa | 1390 ksi | 1 mm/min; ISO 527 |
| Flexural Strength | 203 MPa | 29400 psi | 1.3 mm/min, 50 mm span; ASTM D790 |
| Flexural Modulus | 8.16 GPa | 1180 ksi | 2 mm/min; ISO 178 |
| | 8.65 GPa | 1250 ksi | 1.3 mm/min, 50 mm span; ASTM D790 |
| Izod Impact, Notched | 0.670 J/cm | 1.26 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 6.04 J/cm | 11.3 ft-lb/in | ASTM D4812 |
| Izod Impact, Notched (ISO) | 7.00 kJ/m ² | 3.33 ft-lb/in ² | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 36.0 kJ/m ² | 17.1 ft-lb/in ² | 80*10*4; ISO 180/1U |
| Impact Test | 2.00 J | 1.48 ft-lb | Multiaxial Impact; ISO 6603 |

| Thermal Properties | Metric | English | Comments |
|--|-------------------------------|--------------------------------|----------------------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 253 Â°C | 487 Â°F | Flatw 80*10*4 sp=64mm; ISO 75/Bf |
| | 255 Â°C @Thickness 3.20 mm | 491 Â°F @Thickness 0.126 in | unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 235 Â°C | 455 Â°F | Flatw 80*10*4 sp=64mm; ISO 75/Af |
| | 241 Â°C @Thickness 3.20 mm | 466 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