

LNP™ THERMOCOMP™ RF00469S compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP THERMOCOMP RF00469S is a compound based on Nylon 66 resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant, Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound RF-1004 FR HS

Product reorder name: RF00469S

| General Information | | | |
|--|---------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material | | |
| Additive | heat stabilizer | | |
| Features | Thermal Stability | | |
| | Flame retardancy | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.53 | g/cm ³ | ASTM D792 |
| Molding Shrinkage | | | ASTM D955 |
| Flow: 24 hours | 0.30 - 0.50 | % | ASTM D955 |
| Transverse flow: 24 hours | 1.0 - 1.2 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 137 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.3 | % | ASTM D638 |
| Flexural Modulus | 7500 | MPa | ASTM D790 |
| Flexural Strength | 200 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 85 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 680 | J/m | ASTM D4812 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (1.70 mm, Testing by SABIC) | V-0 | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 82.2 | °C | |
| Drying Time | 4.0 | hr | |
| Suggested Max Moisture | 0.15 - 0.25 | % | |
| Rear Temperature | 266 - 277 | °C | |
| Middle Temperature | 282 - 293 | °C | |
| Front Temperature | 293 - 304 | °C | |
| Processing (Melt) Temp | 277 - 288 | °C | |
| Mold Temperature | 82.2 - 93.3 | °C | |
| Back Pressure | 0.172 - 0.344 | MPa | |

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