

LNP™ THERMOCOMP™ RZ006SXP

compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP THERMOCOMP RZ006SXP is a compound based on Nylon 66 resin containing 30% Milled Glass. Added feature of this material is: Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound RF-1006 EG HS M

Product reorder name: RZ006SXP

| General Information | | | |
|--|---|-------------------|-------------|
| Filler / Reinforcement | Milled Glass Fiber,30% Filler by Weight | | |
| Additive | Heat Stabilizer | | |
| Features | Heat Stabilized | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.42 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (24 hr) | 1.4 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus ¹ | 4940 | MPa | ASTM D638 |
| Tensile Strength (Break) | 60.7 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.3 | % | ASTM D638 |
| Flexural Modulus | 3660 | MPa | ASTM D790 |
| Flexural Strength | 96.5 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 37 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 320 | J/m | ASTM D4812 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 118 | °C | ASTM D648 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 82.2 | °C | |
| Drying Time | 4.0 | hr | |
| Suggested Max Moisture | 0.15 to 0.25 | % | |
| Rear Temperature | 266 to 277 | °C | |
| Middle Temperature | 282 to 293 | °C | |
| Front Temperature | 293 to 304 | °C | |
| Processing (Melt) Temp | 282 to 304 | °C | |
| Mold Temperature | 93.3 to 110 | °C | |
| Back Pressure | 0.172 to 0.344 | MPa | |
| Screw Speed | 30 to 60 | rpm | |

NOTE

1. 50 mm/min

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

