

LNP™ THERMOCOMP™ KF004 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics

Message:

LNP THERMOCOMP* KF004 is a compound based on Acetal Copolymer resin containing 20% Glass Fiber.

Also known as: LNP* THERMOCOMP* Compound KF-1004

Product reorder name: KF004

| General Information | | | |
|--|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,20% Filler by Weight | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.56 | g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 109 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.3 | % | ASTM D638 |
| Flexural Modulus | 8200 | MPa | ASTM D790 |
| Flexural Strength | 187 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 64 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 590 | J/m | ASTM D4812 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 162 | °C | ASTM D648 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 82.2 | °C | |
| Drying Time | 4.0 | hr | |
| Rear Temperature | 177 to 188 | °C | |
| Middle Temperature | 193 to 204 | °C | |
| Front Temperature | 210 to 221 | °C | |
| Processing (Melt) Temp | 199 to 216 | °C | |
| Mold Temperature | 82.2 to 110 | °C | |
| Back Pressure | 0.172 to 0.344 | MPa | |
| Screw Speed | 30 to 60 | rpm | |

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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

