

LNP™ LUBRICOMP™ PFN16 compound

Polyamide 6
SABIC Innovative Plastics

Message:

LNP LUBRICOMP PFN16 is a compound based on Nylon 6 resin containing 30% Glass Fiber, 2% MOS2. Added features of this material include: Wear Resistant.

Also known as: LNP* LUBRICOMP* Compound PFL-4216

Product reorder name: PFN16

| General Information | | | |
|--|-------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Additive | Molybdenum Disulfide Lubricant (2%) | | |
| Features | Good Wear Resistance | | |
| | Lubricated | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.40 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (24 hr) | 0.40 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus ¹ | 9900 | MPa | ASTM D638 |
| Tensile Strength (Break) | 169 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.3 | % | ASTM D638 |
| Flexural Modulus | 8700 | MPa | ASTM D790 |
| Flexural Strength | 248 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 120 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 1200 | J/m | ASTM D4812 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 208 | °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 | 249 to 260 | °C | |
| Middle Temperature | 266 to 277 | °C | |
| Front Temperature | 277 to 288 | °C | |
| Processing (Melt) Temp | 266 to 277 | °C | |
| Mold Temperature | 82.2 to 93.3 | °C | |
| Back Pressure | 0.344 to 0.689 | MPa | |

| | | |
|-------------|-----------|-----|
| Screw Speed | 30 to 60 | rpm |
| NOTE | | |
| 1. | 50 mm/min | |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

