# LNP™ LUBRICOMP™ RFN18SXS compound

Polyamide 66

SABIC Innovative Plastics Europe

## Message:

LNP LUBRICOMP RFN18SXS is a compound based on Nylon 66 resin containing Glass Fiber, MOS2. Added features of this material include: Heat Stabilized.
Also known as: LNP* LUBRICOMP* Compound RFL-4218 HS
Product reorder name: RFN18SXS

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass Fiber | | |
| Additive | Heat Stabilizer<br>Molybdenum Disulfide Lubricant | | |
| Features | Heat Stabilized<br>Lubricated | | |
| RoHS Compliance | RoHS Compliant | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.51 | g/cm³ | ISO 1183 |
| Molding Shrinkage - Flow [1] | 0.15 to 0.35 | % | Internal Method |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 13300 | MPa | ISO 527-2/1 |
| Tensile Stress (Break) | 219 | MPa | ISO 527-2/5 |
| Tensile Strain (Break) | 2.8 | % | ISO 527-2/5 |
| Flexural Modulus [2] | 11100 | MPa | ISO 178 |
| Flexural Stress | 311 | MPa | ISO 178 |
| Coefficient of Friction | | | ASTM D3702 Modified |
| vs. Itself - Dynamic | 0.75 | | |
| vs. Itself - Static | 0.59 | | |
| Wear Factor - Washer | 45.0 | 10^-10 in^5-min/ft-lb-hr | ASTM D3702 Modified |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact Strength [3] (23°C) | 12 | kJ/m² | ISO 180/1A |
| Unnotched Izod Impact Strength [4] (23°C) | 75 | kJ/m² | ISO 180/1U |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature [5] | | | |
| 0.45 MPa, Unannealed, 64.0 mm Span | 261 | °C | ISO 75-2/Bf |
| 1.8 MPa, Unannealed, 64.0 mm Span | 254 | °C | ISO 75-2/Af |
| **NOTE** | | | |
| 1. | Tensile Bar | | |
| 2. | 2.0 mm/min | | |

| | |
|---|---|
| 3. | 80*10*4 |
| 4. | 80*10*4 |
| 5. | 80*10*4 mm |

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Recommended distributors for this material

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