

LNP™ LUBRICOMP™ RAL229 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RAL229 is a compound based on Nylon 66 containing 10% Aramid, 10% PTFE. Added features of this grade include: Flame Retardant, Wear Resistant.

Also known as: LNP* LUBRICOMP* Compound RAL-4022 FR

Product reorder name: RAL229

| General Information | | | |
|--|---|-------------------|-------------|
| UL YellowCard | E121562-101282579 | | |
| Filler / Reinforcement | Aramid Fiber, 10% Filler by Weight | | |
| Additive | PTFE Lubricant (10%) | | |
| Features | Flame Retardant Good Wear Resistance Lubricated | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.42 | g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break) | 81.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 4.0 | % | ASTM D638 |
| Flexural Modulus ³ (50.0 mm Span) | 3720 | MPa | ASTM D790 |
| Flexural Strength ⁴ (Break, 50.0 mm Span) | 114 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 37 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 162 | °C | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (3.00 mm) | V-0 | | UL 94 |

| NOTE | |
|------|--------------------|
| 1. | Type I, 5.0 mm/min |
| 2. | Type I, 5.0 mm/min |
| 3. | 1.3 mm/min |
| 4. | 1.3 mm/min |

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