

# LNP™ LUBRICOMP™ RFL26S compound

Polyamide 66  
SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFL26S is a compound based on Nylon 66 resin containing Glass Fiber, PTFE. Added features of this material include: Internally Lubricated, Heat Stabilized.  
Also known as: LNP\* LUBRICOMP\* Compound RFL-4026 HS  
Product reorder name: RFL26S

| General Information    |                                   |  |  |
|------------------------|-----------------------------------|--|--|
| Filler / Reinforcement | Glass fiber reinforced material   |  |  |
| Additive               | PTFE lubricant<br>heat stabilizer |  |  |
| Features               | Thermal Stability<br>Lubrication  |  |  |

| Physical         | Nominal Value | Unit  | Test Method |
|------------------|---------------|-------|-------------|
| Specific Gravity | 1.43          | g/cm³ | ASTM D792   |

| Mechanical                 | Nominal Value | Unit                     | Test Method         |
|----------------------------|---------------|--------------------------|---------------------|
| Tensile Strength (Break)   | 185           | MPa                      | ASTM D638           |
| Tensile Elongation (Break) | 3.3           | %                        | ASTM D638           |
| Flexural Modulus           | 9310          | MPa                      | ASTM D790           |
| Flexural Strength          | 276           | MPa                      | ASTM D790           |
| Coefficient of Friction    |               |                          | ASTM D3702 Modified |
| With self-dynamics         | 0.66          |                          | ASTM D3702 Modified |
| With Self-Static           | 0.57          |                          | ASTM D3702 Modified |
| Wear Factor - Washer       | 5.00          | 10^-10 in^5-min/ft-lb-hr | ASTM D3702 Modified |

| Impact                       | Nominal Value | Unit | Test Method |
|------------------------------|---------------|------|-------------|
| Notched Izod Impact (23°C)   | 130           | J/m  | ASTM D256   |
| Unnotched Izod Impact (23°C) | 1100          | J/m  | ASTM D4812  |

| Thermal  | Nominal Value | Unit | Test Method |
|--|---------------|------|-------------|
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 253           | °C   | ASTM D648   |

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