

SABIC Innovative Plastics LNP LUBRICOMP RFL26 PA 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP LUBRICOMP* RFL26 is a compound based on Nylon 66 resin containing 30% Glass Fiber, 10% PTFE. Added features of this material include: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFL26-PA-66.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.46 g/cc | 0.0527 lb/in ³ | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------------|--|--|-----------------------------|
| Tensile Strength at Break | 185 MPa | 26800 psi | ASTM D638 |
| Elongation at Break | 3.3 % | 3.3 % | ASTM D638 |
| Flexural Strength | 262 MPa | 38000 psi | ISO 178 |
| | 275 MPa | 39900 psi | ASTM D790 |
| Impact Test | 4.00 J | 2.95 ft-lb | Multiaxial Impact; ISO 6603 |
| Coefficient of Friction, Dynamic | 0.61 | 0.61 | ASTM D3702 Modified |
| K (wear) Factor | 12.1 x 10 ⁻⁸ mm ³ /N-M | 6.00 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr | Washer; ASTM D3702 Modified |

| Thermal Properties | Metric | English | Comments |
|-------------------------------|-------------------------------|------------------------------|------------|
| CTE, linear, Parallel to Flow | 30.0 Åµm/m-Å°C | 16.7 Åµin/in-Å°F | ASTM E 831 |
| | @Temperature -40.0 - 40.0 Å°C | @Temperature -40.0 - 104 Å°F | |

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