

SABIC Innovative Plastics LNP LUBRICOMP RFL369 PA6.6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* LUBRICOMP* RFL369 is a compound based on PA 66 resin containing Glass Fiber, PTFE, Flame Retardant. Added features include:
Flame Retardant, internally lubricated

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-RFL369-PA66-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|-----------------------|---------------------------|--------------|
| Density | 1.74 g/cc | 0.0629 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.0020 - 0.0040 cm/cm | 0.0020 - 0.0040 in/in | SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|------------------------|----------------------------|---|
| Tensile Strength, Yield | 128 MPa | 18600 psi | 5 mm/min; ISO 527 |
| Elongation at Break | 1.7 % | 1.7 % | 5 mm/min; ISO 527 |
| | 2.5 % | 2.5 % | Flexural Strain, break, 2 mm/min; ISO 178 |
| Tensile Modulus | 11.5 GPa | 1670 ksi | 1 mm/min; ISO 527 |
| Flexural Yield Strength | 152 MPa | 22000 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 8.50 GPa | 1230 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 7.00 kJ/m ² | 3.33 ft-lb/in ² | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 20.0 kJ/m ² | 9.52 ft-lb/in ² | 80*10*4; ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|---|--|--|----------------------------------|
| CTE, linear, Parallel to Flow | 42.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 23.3 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | ISO 11359-2 |
| | @Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$ | @Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$ | |
| CTE, linear, Transverse to Flow | 78.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 43.3 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | ISO 11359-2 |
| | @Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$ | @Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$ | |
| Deflection Temperature at 0.46 MPa (66 psi) | 253 $\text{Å}^\circ\text{C}$ | 487 $\text{Å}^\circ\text{F}$ | Flatw 80*10*4 sp=64mm; ISO 75/Bf |
| Deflection Temperature at 1.8 MPa (264 psi) | 225 $\text{Å}^\circ\text{C}$ | 437 $\text{Å}^\circ\text{F}$ | Flatw 80*10*4 sp=64mm; ISO 75/Af |

| Thermal Properties | V-0 Metric | V-0 English | Comments |
|--------------------|--------------------|---------------------|------------------|
| | @Thickness 3.00 mm | @Thickness 0.118 in | CC-1010/SABIC-IP |

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