

SABIC Innovative Plastics LNP LUBRICOMP DL002 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP LUBRICOMP* DL002 is a compound based on Polycarbonate resin containing PTFE. Added features of this material include: Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-DL002-PC-Asia-Pacific.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--|--|-----------|
| Density | 1.25 g/cc | 0.0452 lb/in ³ | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0070 - 0.0090 cm/cm @Time 86400 sec | 0.0070 - 0.0090 in/in @Time 24.0 hour | ASTM D955 |
| Linear Mold Shrinkage, Transverse | 0.0070 - 0.0090 cm/cm @Time 86400 sec | 0.0070 - 0.0090 in/in @Time 24.0 hour | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------------|---|--|-----------------------------|
| Tensile Strength at Break | 53.0 MPa | 7690 psi | ASTM D638 |
| Elongation at Break | 53 % | 53 % | ASTM D638 |
| Flexural Strength | 81.0 MPa | 11700 psi | ASTM D790 |
| Flexural Modulus | 2.27 GPa | 329 ksi | ASTM D790 |
| Izod Impact, Notched | 2.40 J/cm | 4.50 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | NB | NB | ASTM D4812 |
| Coefficient of Friction, Dynamic | 0.28 | 0.28 | ASTM D3702 Modified |
| Coefficient of Friction, Static | 0.17 | 0.17 | ASTM D3702 Modified |
| K (wear) Factor | 195 x 10 ⁻⁸ mm ³ /N-M | 97.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr | Washer; ASTM D3702 Modified |

| Thermal Properties | Metric | English | Comments |
|---|------------------------------|-------------------------------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 128 °C @Thickness 3.20 mm | 262 °F @Thickness 0.126 in | unannealed; ASTM D648 |

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