

SABIC Innovative Plastics LNP LUBRICOMP DL002 PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP LUBRICOMP* DL002 is a compound based on Polycarbonate resin containing 10% 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.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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