

SABIC Innovative Plastics LNP LUBRICOMP OCP36 PPS (Asia Pacific)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* Lubricomp* OCP36 is a compound based on Polyphenylene Sulfide resin containing Carbon Fiber, Lubricants, Bearing Grade. Added features of this material include: Internally Lubricated, Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-OCP36-PPS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Time 86400 sec	0.0020 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm @Time 86400 sec	0.0040 - 0.0060 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	157 MPa	22800 psi	ASTM D638
Elongation at Break	1.6 %	1.6 %	ASTM D638
Tensile Modulus	18.14 GPa	2631 ksi	50 mm/min; ASTM D638
Flexural Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	19.92 GPa	2889 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.85 J/cm	9.09 ft-lb/in	ASTM D4812
Coefficient of Friction, Dynamic	0.47	0.47	ASTM D3702 Modified
Coefficient of Friction, Static	0.33	0.33	ASTM D3702 Modified
K (wear) Factor	48.3 x 10 ⁻⁸ mm ³ /N-M	24.0 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)	260 Â°C @Thickness 3.20 mm	500 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
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Electrical Properties	100 ohm Metric	100 ohm English	ASTM D257
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