

SABIC Innovative Plastics LNP Lubricomp OFP36A PPS - Branched

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP LUBRICOMP* OFP36A is a compound based on PPS - Branched resin containing Glass Fiber, Silicone, PTFE. Added features of this material include: Internally Lubricated. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-OFP36A-PPS-Branched.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Time 86400 sec	0.0020 in/in @Time 24.0 hour	ASTM D 955
Linear Mold Shrinkage, Transverse	0.0070 cm/cm @Time 86400 sec	0.0070 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	108 MPa	15700 psi	ASTM D 638
Elongation at Break	1.7 %	1.7 %	ASTM D 638
Flexural Strength	157 MPa	22800 psi	ASTM D 790
Flexural Modulus	11.44 GPa	1659 ksi	ASTM D 790
Izod Impact, Notched	0.580 J/cm @Temperature 23.0 °C	1.09 ft-lb/in @Temperature 73.4 °F	ASTM D 256
Izod Impact, Unnotched	3.47 J/cm @Temperature 23.0 °C	6.50 ft-lb/in @Temperature 73.4 °F	ASTM D 4812
Coefficient of Friction, Dynamic	0.41	0.41	ASTM D 3702 Modified
Coefficient of Friction, Static	0.38	0.38	ASTM D 3702 Modified
K (wear) Factor	103 x 10 ⁻⁸ mm ³ /N-M	51.0 x 10 ⁻¹⁰ in ³ - min/ft-lb-hr	Washer; ASTM D 3702 Modified

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