

SABIC Innovative Plastics LNP LUBRICOMP OCP36F PPS - Linear

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP LUBRICOMP* OCP36F is a compound based on PPS - Linear resin containing 30% Carbon Fiber, 15% PTFE/Silicone. Added features of this grade include: Bearing Grade, Electrically Conductive, Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-OCP36F-PPS-Linear.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm	0.0010 - 0.0020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

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	245 MPa	35500 psi	ASTM D790
Flexural Modulus	19.92 GPa	2889 ksi	ASTM D790
Izod Impact, Notched	0.550 J/cm	1.03 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	500 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
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Electrical Properties

Metric 1.0-100 ohm

English 1.0-100 ohm

Comments ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

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