

SABIC Innovative Plastics LNP LUBRICOMP OCL36 PPS - Linear (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* Lubricomp* OCL4036L is a compound based on PPS - Linear resin containing PTFE, Carbon Fiber. Added features of this material include: Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-OCL36-PPS-Linear-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	163 MPa	23600 psi	5 mm/min; ISO 527
Elongation at Break	0.80 %	0.80 %	5 mm/min; ISO 527
Tensile Modulus	24.9 GPa	3610 ksi	1 mm/min; ISO 527
Flexural Strength	219 MPa	31800 psi	2 mm/min; ISO 178
Flexural Modulus	21.3 GPa	3090 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	3.00 Åµm/m-Å°C	1.67 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
CTE, linear, Transverse to Flow	55.0 Åµm/m-Å°C	30.6 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	258 Å°C	496 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	278 Å°C	532 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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