

SABIC Innovative Plastics LNP LUBRICOMP OCL36A PPS - Branched (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

LNP* Lubricomp* OCL4036 is a compound based on PPS - Branched 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-OCL36A-PPS-Branched-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ISO 1183
Melt Index of Compound	5.0 g/10 min @Load 5.00 kg, Temperature 315 Â°C	5.0 g/10 min @Load 11.0 lb, Temperature 599 Â°F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	153 MPa	22200 psi	5 mm/min; ISO 527
Elongation at Break	0.70 %	0.70 %	5 mm/min; ISO 527
Tensile Modulus	25.0 GPa	3630 ksi	1 mm/min; ISO 527
Flexural Strength	217 MPa	31500 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 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	1.67 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	49.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	27.2 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	278 Â°C	532 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	255 Â°C	491 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Thermal Properties	Metric	English	Comments
Flammability, UL 94	@Thickness 1.80 mm	@Thickness 0.0709 in	UL 94

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

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