

SABIC Innovative Plastics LNP Lubricomp LFL36 PEEK (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

LNP*LUBRICOMP* LFL36 is a compound based on Polyetheretherketone resin containing Glass Fiber, PTFE. Added features include: Internally Lubricated. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-LFL36-PEEK-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.021 - 0.023 cm/cm	0.021 - 0.023 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 psi	5 mm/min; ISO 527
Elongation at Break	1.6 %	1.6 %	5 mm/min; ISO 527
Flexural Yield Strength	178 MPa	25800 psi	2 mm/min; ISO 178
Flexural Modulus	8.20 GPa	1190 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ² @Temperature 23.0 Â°C	4.76 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m ² @Temperature 23.0 Â°C	16.7 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	10.0 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	46.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	25.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	>= 300 Â°C	>= 572 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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