

SABIC Innovative Plastics LNP LUBRICOMP JFL36 PES (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP* Lubricomp* JFL36 is a compound based on Polyethersulfone resin containing Glass Fiber, PTFE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-JFL36-PES-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.69 g/cc	0.0611 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0015 - 0.0035 cm/cm	0.0015 - 0.0035 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	17000 psi	5 mm/min; ISO 527
Elongation at Break	1.6 %	1.6 %	5 mm/min; ISO 527
Tensile Modulus	9.80 GPa	1420 ksi	1 mm/min; ISO 527
Flexural Yield Strength	160 MPa	23200 psi	2 mm/min; ISO 178
Flexural Modulus	7.70 GPa	1120 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.46	0.46	ASTM D3702 Modified
Coefficient of Friction, Static	0.36	0.36	ASTM D3702 Modified
K (wear) Factor	121 x 10 ⁻⁸ mm ³ /N-M	60.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Âµm/m-Â°C	10.0 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
CTE, linear, Transverse to Flow	49.0 Âµm/m-Â°C	27.2 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	223 Â°C	433 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

Deflection Temperature at 1.8 MPa (100 psi)	212.3°C	406.1°F	Comments 0.4 sp=64mm; ISO 75/Af
Thermal Properties	Metric	English	Comments

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