

SABIC Innovative Plastics LNP Lubricomp JX91055 PES (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP* LUBRICOMP* JX91055 is a compound based on Polyethersulfone resin containing Carbon Fiber and Proprietary Lubricant . Added features include Internally Lubricated and Electrically Conductive. 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-JX91055-PES-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	112 MPa	16200 psi	5 mm/min; ISO 527
Elongation at Break	1.4 %	1.4 %	5 mm/min; ISO 527
Tensile Modulus	10.5 GPa	1520 ksi	1 mm/min; ISO 527
Flexural Strength	152 MPa	22000 psi	2 mm/min; ISO 178
Flexural Yield Strength	153 MPa	22200 psi	2 mm/min; ISO 178
Flexural Modulus	8.10 GPa	1170 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Temperature 23.0 Â°C	2.86 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	20.0 kJ/m ² @Temperature 23.0 Â°C	9.52 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	227 Â°C	441 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	222 Â°C	432 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af

Electrical Properties	Metric	English	Comments
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Surface Resistance
Electrical Properties

100 ohm - 1e+05
Metric

100 ohm - 1e+05
English

ASTM D 257
Comments

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