

SABIC Innovative Plastics LNP LUBRICOMP JCL36 PES (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

LNP* LUBRICOMP* JCL36 is a compound based on Polyethersulfone resin containing Carbon Fiber, PTFE. Added features include : Internally Lubricated, Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-JCL36-PES-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	142 MPa	20600 psi	5 mm/min; ISO 527
Elongation at Break	1.7 %	1.7 %	5 mm/min; ISO 527
Tensile Modulus	19.3 GPa	2800 ksi	1 mm/min; ISO 527
Flexural Yield Strength	218 MPa	31600 psi	2 mm/min; ISO 178
Flexural Modulus	17.0 GPa	2470 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 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	7.00 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.89 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	36.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	20.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	223 $\text{Å}^\circ\text{C}$	433 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1000 ohm	100 - 1000 ohm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China