

SABIC Innovative Plastics LNP LUBRICOMP DCL32 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* LUBRICOMP* DCL32 is a compound based on Polycarbonate 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-DCL32-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183
Water Absorption	0.18 %	0.18 %	ISO 62-1
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	107 MPa	15500 psi	5 mm/min; ISO 527
Elongation at Break	1.9 %	1.9 %	5 mm/min; ISO 527
Tensile Modulus	8.00 GPa	1160 ksi	1 mm/min; ISO 527
Flexural Yield Strength	151 MPa	21900 psi	2 mm/min; ISO 178
Flexural Modulus	6.90 GPa	1000 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 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	20.0 μm/m-°C	11.1 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	82.0 μm/m-°C	45.6 μin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 1.8 MPa (264 psi)	142 °C	288 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 10000 ohm	100 - 10000 ohm	ASTM D257

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