

SABIC Innovative Plastics LNP LUBRICOMP Lexan_LF0335 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Lubricomp* LEXAN_LF0335 compound is a 35% glass fiber, milled glass reinforced PC injection moulding resin with improved wear resistance and reduced friction.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-LexanLF0335-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ISO 1183
Moisture Absorption	0.0700 %	0.0700 %	23 ^o C / 50% RH; ISO 62
Water Absorption at Saturation	0.23 %	0.23 %	ISO 62
Melt Index of Compound	9.0 g/10 min	9.0 g/10 min	MVR [cm ³ /10 min]; ISO 1133
	@Load 1.20 kg, Temperature 300 ^o C	@Load 2.65 lb, Temperature 572 ^o F	
	11 g/10 min	11 g/10 min	MVR [cm ³ /10 min]; ISO 1133
	@Load 5.00 kg, Temperature 260 ^o C	@Load 11.0 lb, Temperature 500 ^o F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
Tensile Modulus	7.90 GPa	1150 ksi	1 mm/min; ISO 527
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature -30.0 ^o C	@Temperature -22.0 ^o F	
Izod Impact, Unnotched (ISO)	34.0 kJ/m ²	16.2 ft-lb/in ²	80*10*4; ISO 180/1U
	@Temperature -30.0 ^o C	@Temperature -22.0 ^o F	

Thermal Properties	Metric	English	Comments
	20.0 ^o C	11.1 ^o F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	@ Temperature 23.0 - 60.0 Â°C	@ Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	64.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	35.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	141 Â°C	286 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	136 Â°C	277 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	143 Â°C	289 Â°F	Rate B/50; ISO 306
	145 Â°C	293 Â°F	Rate B/120; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	UL 94 by SABIC-IP

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