

SABIC Innovative Plastics LNP Lubricomp FFL21 PE

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LNP* Lubricomp* FFL21 is a compound based on Polyethylene resin containing Glass Fiber, PTFE. Added features of this material include:
Internally Lubricated. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-FFL21-PE.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0088 cm/cm @Time 86400 sec	0.0088 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	29.0 MPa	4210 psi	ASTM D 638
Elongation at Break	4.2 %	4.2 %	ASTM D 638
Tensile Modulus	2.14 GPa	310 ksi	50 mm/min; ASTM D 638
Flexural Strength	27.0 MPa	3920 psi	ASTM D 790
Flexural Modulus	1.55 GPa	225 ksi	ASTM D 790
Izod Impact, Notched	0.420 J/cm @Temperature 23.0 Â°C	0.787 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	2.83 J/cm @Temperature 23.0 Â°C	5.30 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	68.0 Â°C @Thickness 3.20 mm	154 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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