

SABIC Innovative Plastics LNP LUBRICOMP FX04491H PE

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LNP LUBRICOMP* FX04491H is a compound based on Polyethylene resin containing Proprietary Fillers. Added features of this material include: Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-FX04491H-PE.php

Physical Properties	Metric	English	Comments
Density	0.932 g/cc	0.0337 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.024 cm/cm	0.024 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.016 cm/cm	0.016 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Elongation at Yield	7.4 %	7.4 %	ASTM D638
Flexural Strength	23.0 MPa	3340 psi	ASTM D790
Flexural Modulus	10.68 GPa	1549 ksi	ASTM D790
Izod Impact, Notched	0.450 J/cm	0.843 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D4812
Coefficient of Friction, Dynamic	0.13	0.13	ASTM D3702 Modified
Coefficient of Friction, Static	0.11	0.11	ASTM D3702 Modified
K (wear) Factor	48.3 x 10 ⁻⁸ mm ³ /N-m	24.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	42.0 Â°C	108 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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