

SABIC Innovative Plastics LNP LUBRICOMP UFL269SA PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* Lubricomp* UFL269SA is a compound based on Polyphthalamide resin containing Glass Fiber, PTFE, Flame Retardant. Added features of this material include: Internally Lubricated, Heat Stabilized, Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-UFL269SA-PPA.php

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm @Time 86400 sec	0.0020 - 0.0040 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm @Time 86400 sec	0.0070 - 0.0090 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	162 MPa	23500 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ASTM D638
Tensile Modulus	13.65 GPa	1980 ksi	50 mm/min; ASTM D638
Flexural Strength	227 MPa	32900 psi	ASTM D790
Flexural Modulus	12.82 GPa	1859 ksi	ASTM D790
Izod Impact, Notched	0.850 J/cm	1.59 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.61 J/cm	8.64 ft-lb/in	ASTM D4812
Coefficient of Friction, Dynamic	0.47	0.47	ASTM D3702 Modified
Coefficient of Friction, Static	0.38	0.38	ASTM D3702 Modified
K (wear) Factor	171 x 10 ⁻⁸ mm ³ /N-M	85.0 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)	273 Â°C @Thickness 3.20 mm	523 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
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