

SABIC Innovative Plastics LNP LUBRICOMP EFL24P PEI

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

LNP* LUBRICOMP* EFL24P is a compound based on Polyetherimide resin containing 20% Glass Fiber, 10% PTFE. Added features of this grade include: Wear Resistant, Exceptional Processing.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-EFL24P-PEI.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792
Moisture Absorption	0.180 %	0.180 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm @Thickness 3.20 mm	0.0020 - 0.0030 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	146 MPa	21200 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.3 %	2.3 %	5 mm/min; ISO 527
Flexural Strength	190 MPa	27600 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	6.47 GPa	938 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched (ISO)	78.0 kJ/m ²	37.1 ft-lb/in ²	80*10*4; ISO 180/1A
Coefficient of Friction, Dynamic	0.43	0.43	ASTM D3702 Modified
Coefficient of Friction, Static	0.41	0.41	ASTM D3702 Modified
K (wear) Factor	310 x 10 ⁻⁸ mm ³ /N-M	154 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	213 Â°C @Thickness 3.20 mm	415 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257

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