

SABIC Innovative Plastics LNP LUBRICOMP KFL34XXC Acetal Copolymer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

LNP* Lubricomp* KFL34XXC is a compound based on Acetal Copolymer resin containing Glass Fiber, PTFE. Added features include:
Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-KFL34XXC-Acetal-Copolymer-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.61 g/cc	0.0582 lb/in ³	ISO 1183
Water Absorption	0.40 % @Time 86400 sec	0.40 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	67.0 MPa	9720 psi	5 mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
Tensile Modulus	6.50 GPa	943 ksi	1 mm/min; ISO 527
Flexural Yield Strength	92.0 MPa	13300 psi	2 mm/min; ISO 178
Flexural Modulus	5.50 GPa	798 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.46	0.46	ASTM D3702 Modified
Coefficient of Friction, Static	0.50	0.50	ASTM D3702 Modified
K (wear) Factor	399 x 10 ⁻⁸ mm ³ /N-M	198 x 10 ⁻¹⁰ in ³ - min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	36.0 Åµm/m-Å°C	20.0 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
	117 Åµm/m-Å°C	65.0 Åµin/in-Å°F	

CTE linear Transverse to Flow Thermal Properties	Metric @ Temperature 23.0 - 60.0 Â°C	English @ Temperature 73.4 - 140 Â°F	ISO 11358-2 Comments
Deflection Temperature at 1.8 MPa (264 psi)	149 Â°C	300 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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