

SABIC Innovative Plastics LNP LUBRICOMP KA000M POM (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

LNP* LUBRICOMP* KA000M is a compound based on Acetal Copolymer resin containing Aramide and Proprietary Lubricant. Added features include Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-KA000M-POM-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.025 cm/cm	0.025 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.0 MPa	5950 psi	5 mm/min; ISO 527
Elongation at Yield	7.4 %	7.4 %	5 mm/min; ISO 527
Tensile Modulus	2.60 GPa	377 ksi	1 mm/min; ISO 527
Flexural Yield Strength	68.0 MPa	9860 psi	2 mm/min; ISO 178
Flexural Modulus	2.40 GPa	348 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.21	0.21	ASTM D3702 Modified
Coefficient of Friction, Static	0.21	0.21	ASTM D3702 Modified
K (wear) Factor	18.1 x 10 ⁻⁸ mm ³ /N-M	9.00 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Washer; ASTM D3702 Modified

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	114 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	63.3 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	116 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	64.4 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa			

(264 psi)	92.0 Å°C	198 Å°F	Flatw 80×10×4 sp=64mm; ISO 75/Åf
Thermal Properties	Metric	English	Comments

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