

SABIC Innovative Plastics LNP LUBRICOMP KAL22 Acetal Copolymer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Aramid Fiber Filled

Material Notes:

LNP* Lubricomp* KAL22 is a compound based on Acetal Copolymer resin containing PTFE, Aramid Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-KAL22-Acetal-Copolymer-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.0 MPa	8120 psi	5 mm/min; ISO 527
Elongation at Break	10.6 %	10.6 %	5 mm/min; ISO 527
Flexural Strength	61.0 MPa	8850 psi	2 mm/min; ISO 178
Flexural Modulus	2.90 GPa	421 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80*10*4; ISO 180/1U
Coefficient of Friction, Dynamic	0.23	0.23	ASTM D3702 Modified
Coefficient of Friction, Static	0.16	0.16	ASTM D3702 Modified
K (wear) Factor	16.1 x 10 ⁻⁸ mm ³ /N-M	8.00 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)	87.0 Â°C	189 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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