

SABIC Innovative Plastics LNP STAT-KON KEL32 Acetal Copolymer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

LNP* LUBRICOMP* KEL32 is a compound based on Acetal Copolymer resin containing Carbon Fiber, PTFE. Added features include:
Electrically Conductive, Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-KEL32-Acetal-Copolymer-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183
Water Absorption	0.31 % @Time 86400 sec	0.31 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0032 cm/cm	0.0032 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.0 MPa	7400 psi	5 mm/min; ISO 527
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527
	6.4 %	6.4 %	Flexural Strain, break, 2 mm/min; ISO 178
Tensile Modulus	8.40 GPa	1220 ksi	1 mm/min; ISO 527
Flexural Strength	62.0 MPa	8990 psi	2 mm/min; ISO 178
Flexural Yield Strength	80.0 MPa	11600 psi	2 mm/min; ISO 178
Flexural Modulus	6.00 GPa	870 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

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	286 °F	Flatw 80*10*4 sp=64mm; ISO 75/af

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 10000 ohm	100 - 10000 ohm	ASTM D257

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