

SABIC Innovative Plastics LNP Thermocomp KB002 Acetal Copoly (Asia Pacific)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Glass Bead Filled

Material Notes:

LNP* Thermocomp* KB002 is a compound based on Acetal Copolymer resin containing Glass Bead. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-KB002-Acetal-Copoly-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.020 cm/cm	0.020 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.0 MPa	6960 psi	ASTM D 638
Elongation at Break	8.4 %	8.4 %	ASTM D 638
Tensile Modulus	3.55 GPa	515 ksi	50 mm/min; ASTM D 638
Flexural Strength	75.0 MPa	10900 psi	ASTM D 790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D 790
Izod Impact, Notched	0.370 J/cm	0.693 ft-lb/in	ASTM D 256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Unnotched	7.29 J/cm	13.7 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	101 Å°C	214 Å°F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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