

SABIC Innovative Plastics LNP THERMOCOMP KF004 Acetal Copolymer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 20% Glass Fiber Reinforced

Material Notes:

LNP* THERMOCOMP* KF004 is a compound based on Acetal Copolymer containing Glass Fiber. Added features include : Chemically Coupled.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-KF004-Acetal-Copolymer-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	104 MPa	15100 psi	5 mm/min; ISO 527
Elongation at Yield	2.3 %	2.3 %	5 mm/min; ISO 527
Tensile Modulus	7.20 GPa	1040 ksi	1 mm/min; ISO 527
Flexural Yield Strength	122 MPa	17700 psi	2 mm/min; ISO 178
Flexural Modulus	5.50 GPa	798 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

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	35.0 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	107 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	59.4 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	157 $\text{Å}^\circ\text{C}$	315 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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