

SABIC Innovative Plastics LNP THERMOCOMP KF006 POM (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

LNP* THERMOCOMP* KF006 is a compound based on Acetal Copolymer resin containing Glass Fiber

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-KF006-POM-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	ISO 1183
Water Absorption	0.40 % @Time 86400 sec	0.40 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	125 MPa	18100 psi	5 mm/min; ISO 527
Elongation at Break	2.9 %	2.9 %	5 mm/min; ISO 527
Tensile Modulus	9.20 GPa	1330 ksi	1 mm/min; ISO 527
Flexural Yield Strength	163 MPa	23600 psi	2 mm/min; ISO 178
Flexural Modulus	7.40 GPa	1070 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m ²	19.0 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	32.0 µm/m-°C @Temperature 23.0 - 60.0 °C	17.8 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
CTE, linear, Transverse to Flow	96.0 µm/m-°C @Temperature 23.0 - 60.0 °C	53.3 µin/in-°F @Temperature 73.4 - 140 °F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	164 °C	327 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa			

(264 psi)	161 °C	322 °F	Flatw 80*10*4 sp=64mm; ISO 75/At
Thermal Properties	Metric	English	Comments

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