

SABIC Innovative Plastics LNP Thermocomp PK0069 PA 6 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Bead Filled

Material Notes:

LNP* THERMOCOMP* PK0069 is a compound based on PA 6 resin containing Glass Bead, Flame Retardant. Added features include Flame Retardant. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-PK0069-PA-6-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.66 g/cc	0.0600 lb/in ³	ISO 1183
Water Absorption	0.80 %	0.80 %	ISO 62-1
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	63.0 MPa	9140 psi	5 mm/min; ISO 527
Elongation at Break	1.5 %	1.5 %	5 mm/min; ISO 527
	2.0 %	2.0 %	Flexural Strain, 2 mm/min; ISO 178
Tensile Modulus	6.20 GPa	899 ksi	1 mm/min; ISO 527
Flexural Strength	101 MPa	14600 psi	2 mm/min; ISO 178
Flexural Yield Strength	101 MPa	14600 psi	2 mm/min; ISO 178
Flexural Modulus	7.40 GPa	1070 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
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	80*10*4; ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	193 °C	379 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	130 °C	266 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 1.50 mm	@Thickness 0.0591 in	

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