

SABIC Innovative Plastics LNP THERMOCOMP WF0049XP PBT (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

LNP* Thermocomp* WF0049XP is a compound based on Polybutylene Terephthalate resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WF0049XP-PBT-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	5 mm/min; ISO 527
Elongation at Break	1.8 %	1.8 %	5 mm/min; ISO 527
Tensile Modulus	7.10 GPa	1030 ksi	1 mm/min; ISO 527
Flexural Yield Strength	133 MPa	19300 psi	2 mm/min; ISO 178
Flexural Modulus	6.20 GPa	899 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	20.0 kJ/m ²	9.52 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	209 °C	408 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	168 °C	334 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	UL 94
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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