

SABIC Innovative Plastics LNP COLORCOMP W10009I PBT (Europe-Africa-Middle East)

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

Material Notes:

LNP* THERMOCOMP* W10009I is a compound based on Polybutylene Terephthalate resin containing Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-COLORCOMP-W10009I-PBT-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.023 cm/cm	0.023 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	42.0 MPa	6090 psi	5 mm/min; ISO 527
Elongation at Yield	4.2 %	4.2 %	5 mm/min; ISO 527
Tensile Modulus	1.90 GPa	276 ksi	1 mm/min; ISO 527
Flexural Yield Strength	68.0 MPa	9860 psi	2 mm/min; ISO 178
Flexural Modulus	1.90 GPa	276 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
Izod Impact, Unnotched (ISO)	125 kJ/m ²	59.5 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	201 °C	394 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	UL 94 by SABIC-IP

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