

SABIC Innovative Plastics LNP Thermocomp DF008P PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP THERMOCOMP* DF008P is a compound based on Polycarbonate resin containing Glass Fiber. Added features of this material include: Exceptional Processing. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-DF008P-PC.php

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0026 cm/cm @Time 86400 sec	0.0026 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.0040 cm/cm @Time 86400 sec	0.0040 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	142 MPa	20600 psi	ASTM D 638
	148 MPa	21500 psi	ISO 527
Elongation at Break	2.3 %	2.3 %	ASTM D 638
	2.3 %	2.3 %	ISO 527
Tensile Modulus	10.34 GPa	1500 ksi	50 mm/min; ASTM D 638
Flexural Strength	220 MPa	31900 psi	ISO 178
Flexural Modulus	18.0 GPa	2610 ksi	ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ² @Temperature 23.0 Â°C	6.66 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	35.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	19.4 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	37.0 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	20.6 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2

Deflection Temperature at 1.8 MPa
(264 psi)

Metric C

English

Comments D+4 sp=64mm; ISO 75/Af

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