

SABIC Innovative Plastics LNP Thermocomp DF0066P PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP THERMOCOMP® DF0066P is a compound based on Polycarbonate resin containing Glass Fiber, Flame Retardant. 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-DF0066P-PC.php

Physical Properties	Metric	English	Comments
Density	1.446 g/cc	0.05224 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0015 cm/cm	0.0015 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0035 cm/cm	0.0035 in/in	ASTM D 955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	119 MPa	17300 psi	ASTM D 638
Elongation at Break	5.0 %	5.0 %	ASTM D 638
Flexural Strength	180 MPa	26100 psi	ASTM D 790
Flexural Modulus	8.61 GPa	1250 ksi	ASTM D 790
Izod Impact, Notched	1.06 J/cm	1.99 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	7.41 J/cm	13.9 ft-lb/in	ASTM D 4812
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Impact Test	11.0 J	8.11 ft-lb	Instrumented Impact Energy @ peak; ASTM D 3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	141 °C	286 °F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa	136 °C	277 °F	unannealed; ASTM D 648

(264 psi)	@Thickness 3.20 mm	@Thickness 0.126 in	
Thermal Properties	Metric	English	Comments

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