

SABIC Innovative Plastics LNP THERMOCOMP DZ004 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Thermocomp* DZ004 is a compound based on Polycarbonate resin containing Glass Fiber. Also known as Thermocomp DF-1004 M

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DZ004-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	4.5 %	4.5 %	ASTM D638
Tensile Modulus	3.70 GPa	537 ksi	50 mm/min; ASTM D638
Flexural Strength	96.0 MPa	13900 psi	ASTM D790
Flexural Modulus	3.50 GPa	508 ksi	ASTM D790
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256
Izod Impact, Unnotched	11.42 J/cm	21.39 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	136 Â°C	277 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.04e+16 - 5.90e+16 ohm-cm	4.04e+16 - 5.90e+16 ohm-cm	ASTM D257
Surface Resistance	3.09e+13 - 3.87e+13 ohm	3.09e+13 - 3.87e+13 ohm	ASTM D257
Dielectric Strength	24.3 kV/mm	617 kV/in	in air; ASTM D149
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Dissipation Factor	0.0083	0.0083	ASTM D150

Electrical Properties	@Frequency 1.00e+6 Metric	@Frequency 1.00e+6 English	Comments
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