

SABIC Innovative Plastics LNP Thermocomp DFZ42P PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Thermocomp* DFZ42P 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 Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-DFZ42P-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Time 86400 sec	0.0040 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ASTM D 638
Elongation at Break	3.0 %	3.0 %	ASTM D 638
Tensile Modulus	5.71 GPa	828 ksi	50 mm/min; ASTM D 638
Flexural Strength	131 MPa	19000 psi	ASTM D 790
Flexural Modulus	5.57 GPa	808 ksi	ASTM D 790
Izod Impact, Notched	0.640 J/cm @Temperature 23.0 °C	1.20 ft-lb/in @Temperature 73.4 °F	ASTM D 256
Izod Impact, Unnotched	5.73 J/cm @Temperature 23.0 °C	10.7 ft-lb/in @Temperature 73.4 °F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	131 °C @Thickness 3.20 mm	268 °F @Thickness 0.126 in	unannealed; ASTM D 648

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