

SABIC Innovative Plastics LNP Thermocomp DX04021 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* THERMOCOMP* DX04021 is a compound based on Polycarbonate resin containing Stainless Steel. Added features include : FDA-Complaint Raw Materials, Metal Detectable. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-DX04021-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	67.0 MPa	9720 psi	5 mm/min; ISO 527
Elongation at Break	5.2 %	5.2 %	5 mm/min; ISO 527
Tensile Modulus	2.30 GPa	334 ksi	1 mm/min; ISO 527
Flexural Yield Strength	103 MPa	14900 psi	2 mm/min; ISO 178
Flexural Modulus	2.70 GPa	392 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ² @Temperature 23.0 Â°C	2.86 ft-lb/in ² @Temperature 73.4 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	130 Â°C	266 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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