

SABIC Innovative Plastics LNP THERMOCOMP DF004ER PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Thermocomp* DF004ER is a compound based on Polycarbonate resin containing Glass Fiber. Added features of this material include:
Easy Molding, Mold Release.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DF004ER-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0025 - 0.0045 cm/cm	0.0025 - 0.0045 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	5 mm/min; ISO 527
Tensile Strength, Yield	97.0 MPa	14100 psi	5 mm/min; ISO 527
Elongation at Break	3.6 %	3.6 %	5 mm/min; ISO 527
Elongation at Yield	2.6 %	2.6 %	5 mm/min; ISO 527
Tensile Modulus	6.10 GPa	885 ksi	1 mm/min; ISO 527
Flexural Yield Strength	178 MPa	25800 psi	2 mm/min; ISO 178
Flexural Modulus	5.50 GPa	798 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	55.0 kJ/m ²	26.2 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	144 Â°C	291 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C	284 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-2	V-2	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-1	V-1	UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	

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