

## SABIC Innovative Plastics LNP THERMOCOMP DF002ER PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP\* THERMOCOMP\* DF002ER is a compound based on Polycarbonate resin containing Glass Fiber. Added features include Easy Molding, Mold Release.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DF002ER-PC-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DF002ER-PC-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	85.0 MPa	12300 psi	5 mm/min; ISO 527
Elongation at Yield	3.6 %	3.6 %	5 mm/min; ISO 527
Tensile Modulus	4.00 GPa	580 ksi	1 mm/min; ISO 527
Flexural Strength	135 MPa	19600 psi	2 mm/min; ISO 178
Flexural Modulus	3.80 GPa	551 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	50.0 kJ/m <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.0 Åµm/m-Å°C	21.7 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	143 Å°C	289 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	137 Å°C	279 Å°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	
Glow Wire Test	V-1	V-1	UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	
	850 Å°C	1560 Å°F	IEC 60695-2-12

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
	960 Å°C	1760 Å°F	IEC 60695-2-12
	@Thickness 1.00 mm	@Thickness 0.0394 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	175 V	175 V	IEC 60112

## Contact Songhan Plastic Technology Co.,Ltd.

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