

## SABIC Innovative Plastics LNP Thermocomp DF008P PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP\* THERMOCOMP\* DF008P 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-DF008P-PC-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-DF008P-PC-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in <sup>3</sup>	ASTM D 792
Linear Mold Shrinkage, Flow	0.0026 cm/cm	0.0026 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0040 cm/cm	0.0040 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	142 MPa	20600 psi	ASTM D 638
	148 MPa	21500 psi	
Elongation at Break	2.3 %	2.3 %	ASTM D 638
	2.3 %	2.3 %	
Tensile Modulus	10.34 GPa	1500 ksi	50 mm/min; ASTM D 638
Flexural Strength	220 MPa	31900 psi	ISO 178
Flexural Modulus	18.0 GPa	2610 ksi	ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	35.0 Åµm/m-Å°C	19.4 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	37.0 Åµm/m-Å°C	20.6 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	

Deflection Temperature at 1.8 MPa  
(264 psi)

Metric C

English

Comments D+4 sp=64mm; ISO 75/Af

## Contact Songhan Plastic Technology Co.,Ltd.

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