

SABIC Innovative Plastics LNP THERMOCOMP DF004P PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Thermocomp* DF004P is a Polycarbonate base resin containing Glass Fiber. Characteristics of this grade are Exceptional Processing.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-DF004P-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
	1.34 g/cc	0.0484 lb/in ³	ISO 1183
Moisture Absorption	0.0500 %	0.0500 %	50% RH, 24 hrs; ASTM D570
	0.0500 %	0.0500 %	23 ^o C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	102 MPa	14800 psi	5 mm/min; ISO 527
	106 MPa	15400 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	28.0 MPa	4060 psi	5 mm/min; ISO 527
	43.0 MPa	6240 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.6 %	1.6 %	Type I, 5 mm/min; ASTM D638
	2.6 %	2.6 %	5 mm/min; ISO 527
Tensile Modulus	6.33 GPa	918 ksi	1 mm/min; ISO 527
	10.88 GPa	1578 ksi	50 mm/min; ASTM D638
Flexural Strength	156 MPa	22600 psi	1.3 mm/min, 50 mm span; ASTM D790
	202 MPa	29300 psi	ISO 178
Flexural Modulus	6.39 GPa	927 ksi	1.3 mm/min, 50 mm span; ASTM D790
	12.54 GPa	1819 ksi	2 mm/min; ISO 178

Mechanical Properties	Metric	English	Comments
Izod Impact, Unnotched	7.43 J/cm	13.9 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 Â°C	280 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	138 Â°C @Thickness 3.20 mm	280 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	97.0 Â°C	207 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	95.0 Â°C @Thickness 3.20 mm	203 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China