

SABIC Innovative Plastics LNP THERMOCOMP DF006ER PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP THERMOCOMP* DF006ER is a compound based on Polycarbonate resin containing 30% 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-DF006ER-PC.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
	1.425 g/cc	0.05148 lb/in ³	ASTM D792
Moisture Absorption	0.100 %	0.100 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0011 cm/cm	0.0011 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0048 cm/cm	0.0048 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	106 MPa	15400 psi	ISO 527
	132 MPa	19100 psi	ASTM D638
Elongation at Break	2.2 %	2.2 %	ISO 527
	2.7 %	2.7 %	ASTM D638
Tensile Modulus	7.50 GPa	1090 ksi	1 mm/min; ISO 527
	9.51 GPa	1380 ksi	50 mm/min; ASTM D638
Flexural Strength	196 MPa	28400 psi	ISO 178
	205 MPa	29700 psi	ASTM D790
Flexural Modulus	8.50 GPa	1230 ksi	ISO 178

Mechanical Properties	8.75 GPa Metric	1270 ksi English	ASTM D790 Comments
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.65 J/cm	16.2 ft-lb/in	ASTM D4812
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)	60.0 kJ/m ²	28.6 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	8.00 J	5.90 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	4.00 J	2.95 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	138 Â°C	280 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	136 Â°C @Thickness 3.20 mm	277 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