

SABIC Innovative Plastics LNP THERMOCOMP NX07354 PC+ABS (Asia Pacific)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

This is a PC/ABS compound, a good candidate for Laser Direct Structuring applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-NX07354-PCABS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Moisture Absorption	0.200 %	0.200 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0074 cm/cm	0.0074 in/in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0063 cm/cm	0.0063 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	42.0 MPa	6090 psi	5 mm/min; ISO 527
	43.0 MPa	6240 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	53.0 MPa	7690 psi	Type I, 50 mm/min; ASTM D638
	53.0 MPa	7690 psi	5 mm/min; ISO 527
Elongation at Break	7.4 %	7.4 %	Flexural Strain, break, 2 mm/min; ISO 178
	40 %	40 %	5 mm/min; ISO 527
	42.3 %	42.3 %	Type I, 50 mm/min; ASTM D638
Elongation at Yield	4.6 %	4.6 %	5 mm/min; ISO 527
	4.7 %	4.7 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.30 GPa	334 ksi	1 mm/min; ISO 527
	2.34 GPa	339 ksi	50 mm/min; ASTM D638
Flexural Strength	80.0 MPa	11600 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	82.0 MPa	11900 psi	1.3 mm/min, 50 mm span; ASTM D790
	83.0 MPa	12000 psi	2 mm/min; ISO 178

Flexural Modulus Mechanical Properties	2.24 GPa Metric	325 ksi English	2 mm/min* ISO 178 Comments
	2.31 GPa	335 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	6.06 J/cm	11.4 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	54.0 kJ/mÂ²	25.7 ft-lb/inÂ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	75.5 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	41.9 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
CTE, linear, Transverse to Flow	84.8 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	47.1 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C	221 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	106 Â°C @Thickness 3.20 mm	223 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.74 @Frequency 1.00e+9 Hz	2.74 @Frequency 1.00e+9 Hz	ASTM D150
Dissipation Factor	0.0030 @Frequency 1.00e+9 Hz	0.0030 @Frequency 1.00e+9 Hz	ASTM D150

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