

SABIC Innovative Plastics LNP THERMOCOMP 9X07435

Category : Polymer , Thermoplastic

Material Notes:

LNP* THERMOCOMP* is a compound based on Miscellaneous resin containing Proprietary Filler(s). Added feature of this grade is: Plateable.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-9X07435.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Moisture Absorption	0.0900 %	0.0900 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.0 MPa	7400 psi	5 mm/min; ISO 527
	59.0 MPa	8560 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	51.0 MPa	7400 psi	5 mm/min; ISO 527
	60.0 MPa	8700 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.5 %	1.5 %	5 mm/min; ISO 527
	1.9 %	1.9 %	Type I, 5 mm/min; ASTM D638
	2.2 %	2.2 %	Flexural Strain, break, 2 mm/min; ISO 178
Elongation at Yield	1.5 %	1.5 %	5 mm/min; ISO 527
	1.8 %	1.8 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	4.81 GPa	698 ksi	1 mm/min; ISO 527
	5.45 GPa	790 ksi	50 mm/min; ASTM D638
Flexural Strength	95.0 MPa	13800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	93.0 MPa	13500 psi	2 mm/min; ISO 178

Mechanical Properties	95.0 MPa Metric	13800 psi English	1.3 mm/min, 50 mm span; ASTM D790 Comments
Flexural Modulus	5.01 GPa	727 ksi	2 mm/min; ISO 178
	5.35 GPa	776 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.72 J/cm	5.10 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	18.0 kJ/m ²	8.57 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C	230 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	101 Â°C	214 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.9	2.9	ASTM D150
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
Dissipation Factor	0.0046	0.0046	ASTM D150
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	

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