

SABIC Innovative Plastics LNP THERMOCOMP ZF406XXX PPO Blend

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

LNP THERMOCOMP* ZF406XXX is a compound based on PPO Blend resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-ZF406XXX-PPO-Blend.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	ISO 1183
	1.54 g/cc	0.0556 lb/in ³	ASTM D792
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	
	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	ASTM D638
	119 MPa	17300 psi	ISO 527
Elongation at Break	0.90 %	0.90 %	ASTM D638
	1.2 %	1.2 %	ISO 527
Tensile Modulus	11.53 GPa	1672 ksi	50 mm/min; ASTM D638
	11.69 GPa	1695 ksi	1 mm/min; ISO 527
Flexural Strength	192 MPa	27800 psi	ISO 178
	199 MPa	28900 psi	ASTM D790
Flexural Modulus	9.90 GPa	1440 ksi	ISO 178
	11.45 GPa	1661 ksi	ASTM D790

Izod Impact, Notched Mechanical Properties	0.800 J/cm Metric	1.50 ft-lb/in English	ASTM D256 Comments
Izod Impact, Unnotched	5.23 J/cm	9.80 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)	29.0 kJ/m ²	13.8 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.8 Åµm/m-Å°C	11.0 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	57.6 Åµm/m-Å°C	32.0 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	262 Å°C	504 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	263 Å°C	505 Å°F	
Flammability, UL94	V-0	V-0	UL 94 by SABIC-IP
	@Thickness 1.55 mm	@Thickness 0.0610 in	

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