

SABIC Innovative Plastics LNP THERMOCOMP AF004 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* THERMOCOMP* AF004 is a compound based on ABS resin containing 20% Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-AF004-ABS.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
	1.198 g/cc	0.04328 lb/in ³	ASTM D792
Moisture Absorption	0.240 %	0.240 %	50% RH, 24 hrs; ASTM D570
	0.390 %	0.390 %	23 ^o C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0024 cm/cm	0.0024 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0040 cm/cm	0.0040 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	78.0 MPa	11300 psi	ASTM D638
	81.0 MPa	11700 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
	2.2 %	2.2 %	ASTM D638
Tensile Modulus	6.00 GPa	870 ksi	1 mm/min; ISO 527
	6.17 GPa	895 ksi	50 mm/min; ASTM D638
Flexural Strength	123 MPa	17800 psi	ISO 178
	130 MPa	18900 psi	ASTM D790
Flexural Modulus	5.86 GPa	850 ksi	ISO 178

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.95 J/cm	7.40 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	23.0 kJ/m ²	10.9 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	11.0 J	8.11 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	3.00 J	2.21 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	103 °C	217 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 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