

SABIC Innovative Plastics LNP THERMOCOMP AF006XXZ ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* THERMOCOMP* AF006XXZ is a compound based on ABS resin containing 30% Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-AF006XXZ-ABS.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955
	@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	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	83.0 MPa	12000 psi	ISO 527
	96.0 MPa	13900 psi	ASTM D638
Elongation at Break	1.7 %	1.7 %	ISO 527
	1.8 %	1.8 %	ASTM D638
Flexural Strength	119 MPa	17300 psi	ISO 178
	153 MPa	22200 psi	ASTM D790
Flexural Modulus	8.00 GPa	1160 ksi	ISO 178
	9.17 GPa	1330 ksi	ASTM D790
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.83 J/cm	5.30 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	102 Â°C	216 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	102 Â°C @Thickness 3.20 mm	216 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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