

SABIC Innovative Plastics LNP THERMOCOMP AF006 ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* Thermocomp* AF006 is a compound based on Acrylonitrile Butadiene Styrene resin containing Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-AF006-ABS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0012 cm/cm	0.0012 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	82.0 MPa	11900 psi	5 mm/min; ISO 527
Elongation at Break	1.4 %	1.4 %	5 mm/min; ISO 527
Tensile Modulus	7.90 GPa	1150 ksi	1 mm/min; ISO 527
Flexural Strength	103 MPa	14900 psi	2 mm/min; ISO 178
Flexural Modulus	6.30 GPa	914 ksi	2 mm/min; ISO 178
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)	20.0 kJ/m ²	9.52 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	23.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	12.8 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	65.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	36.1 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	104 Å°C	219 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	98.0 Å°C	208 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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