

SABIC Innovative Plastics LNP Thermocomp AF002L ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* Thermocomp* AF002L is a compound based on Acrylonitrile Butadiene Styrene resin containing Glass Fiber. Added features of this material include: Low Extractible. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Thermocomp-AF002L-ABS.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D 792
Linear Mold Shrinkage, Flow	0.023 cm/cm @Time 86400 sec	0.023 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	58.0 MPa	8410 psi	ASTM D 638
Elongation at Break	2.1 %	2.1 %	ASTM D 638
Tensile Modulus	4.26 GPa	618 ksi	50 mm/min; ASTM D 638
Flexural Strength	89.0 MPa	12900 psi	ASTM D 790
Flexural Modulus	4.03 GPa	585 ksi	ASTM D 790
Izod Impact, Notched	0.640 J/cm @Temperature 23.0 Â°C	1.20 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	2.94 J/cm @Temperature 23.0 Â°C	5.51 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	92.0 Â°C @Thickness 3.20 mm	198 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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