

SABIC Innovative Plastics LNP THERMOCOMP AX06472 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* Thermocomp* AX06472 is a compound based on ABS containing a clay blend.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-AX06472-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Moisture Absorption	0.200 %	0.200 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	5.93 GPa	860 ksi	50 mm/min; ASTM D638
Flexural Strength	96.0 MPa	13900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	5.38 GPa	780 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.420 J/cm	0.787 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.40 J/cm	4.50 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.0	3.0	ASTM D150
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	

Electrical Properties	0.0030 Metric	0.0030 English	Comments
Dissipation Factor	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	ASTM D150

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