

SABIC Innovative Plastics LNP COLORCOMP AX03654 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP COLORCOMP* AX03654 is a compound based on Acrylonitrile Butadiene Styrene resin containing Flame Retardant, Unfilled Custom Color. Added features of this material include: Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-COLORCOMP-AX03654-ABS.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
	1.16 g/cc	0.0419 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	ASTM D638
	31.0 MPa	4500 psi	ISO 527
Tensile Strength, Yield	38.0 MPa	5510 psi	ISO 527
	39.0 MPa	5660 psi	ASTM D638
Elongation at Break	13.6 %	13.6 %	ASTM D638
	15.3 %	15.3 %	ISO 527
Elongation at Yield	2.0 %	2.0 %	ISO 527
	2.1 %	2.1 %	ASTM D638
Tensile Modulus	2.39 GPa	347 ksi	1 mm/min; ISO 527
	2.44 GPa	354 ksi	50 mm/min; ASTM D638

Flexural Strength Mechanical Properties	65.0 MPa Metric	9430 psi English	ASTM D790 Comments
	65.0 MPa	9430 psi	ISO 178
Flexural Modulus	2.31 GPa	335 ksi	ISO 178
	2.39 GPa	347 ksi	ASTM D790
Izod Impact, Notched	1.70 J/cm	3.18 ft-lb/in	ASTM D256
Izod Impact, Unnotched	10.68 J/cm	20.01 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	39.0 kJ/m ²	18.6 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C	162 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	72.0 °C	162 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

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