

SABIC Innovative Plastics LNP STAT-LOY A3000T ABS (Asia Pacific)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* Stat-loy* A3000T is a compound based on Acrylonitrile Butadiene Styrene resin containing Anti-Static. Added features of this material include: Antistat.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-A3000T-ABS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792
	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Moisture Absorption	0.800 %	0.800 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0068 cm/cm	0.0068 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0083 cm/cm	0.0083 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	23.0 MPa	3340 psi	ASTM D638
	24.0 MPa	3480 psi	ISO 527
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
	32.0 MPa	4640 psi	ISO 527
Elongation at Break	39.1 %	39.1 %	ASTM D638
	62.9 %	62.9 %	ISO 527
Tensile Modulus	1.14 GPa	165 ksi	1 mm/min; ISO 527
	1.37 GPa	199 ksi	50 mm/min; ASTM D638
Flexural Strength	41.0 MPa	5950 psi	ASTM D790

Mechanical Properties	42.0 MPa Metric	6090 psi English	ISO 178 Comments
Flexural Modulus	1.37 GPa	199 ksi	ASTM D790
	1.40 GPa	203 ksi	ISO 178
Izod Impact, Notched	1.33 J/cm	2.49 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	118 Âµm/m-Â°C	65.6 Âµin/in-Â°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
	119 Âµm/m-Â°C	66.1 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
CTE, linear, Transverse to Flow	112 Âµm/m-Â°C	62.2 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
	112 Âµm/m-Â°C	62.2 Âµin/in-Â°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	81.0 Â°C	178 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	80.0 Â°C	176 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	67.0 Â°C	153 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	86.0 Â°C	187 Â°F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+9 - 1.00e+11 ohm	1.00e+9 - 1.00e+11 ohm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China