

SABIC Innovative Plastics LNP STAT-LOY A3000 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP STAT-LOY* A3000 is a compound based on ABS resin. Added feature of this material is: Antistatic.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-A3000-ABS.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
	1.065 g/cc	0.03848 lb/in ³	ASTM D792
Moisture Absorption	1.08 %	1.08 %	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	
	0.0041 cm/cm	0.0041 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0049 cm/cm	0.0049 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	ISO 527
	36.0 MPa	5220 psi	ASTM D638
Tensile Strength, Yield	38.0 MPa	5510 psi	ISO 527
	39.0 MPa	5660 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
	24.2 %	24.2 %	ISO 527
Elongation at Yield	3.0 %	3.0 %	ISO 527
	3.1 %	3.1 %	ASTM D638
Tensile Modulus	2.01 GPa	292 ksi	1 mm/min; ISO 527
	2.06 GPa	299 ksi	50 mm/min; ASTM D638

Mechanical Properties	Metric	English	Comments
	65.0 MPa	9430 psi	ASTM D790
Flexural Modulus	1.98 GPa	287 ksi	ISO 178
	2.09 GPa	303 ksi	ASTM D790
Izod Impact, Notched	2.82 J/cm	5.28 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D4812
Izod Impact, Notched (ISO)	16.0 kJ/m ²	7.61 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80*10*4; ISO 180/1U
Dart Drop, Total Energy	32.0 J	23.6 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	26.0 J	19.2 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	93.4 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	51.9 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
	93.4 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	51.9 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	101 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	56.1 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
	101 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	56.1 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	91.0 Â°C	196 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	88.0 Â°C @Thickness 3.20 mm	190 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	76.0 Â°C	169 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/ Af
	76.0 Â°C @Thickness 3.20 mm	169 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	HB	HB	UL 94 by SABIC-IP

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
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