

SABIC Innovative Plastics LNP STAT-LOY A3000 ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

LNP* Stat-loy* A3000 is a compound based on Acrylonitrile Butadiene Styrene resin. 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-A3000-ABS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	29.0 MPa	4210 psi	50 mm/min; ISO 527
Tensile Strength, Yield	38.0 MPa	5510 psi	50 mm/min; ISO 527
Elongation at Break	21 %	21 %	50 mm/min; ISO 527
Elongation at Yield	3.1 %	3.1 %	50 mm/min; ISO 527
Tensile Modulus	1.70 GPa	247 ksi	1 mm/min; ISO 527
Flexural Strength	55.0 MPa	7980 psi	2 mm/min; ISO 178
Flexural Modulus	1.80 GPa	261 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	>= 100 kJ/m ²	>= 47.6 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	113 Âµm/m-Â°C	62.8 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
CTE, linear, Transverse to Flow	124 Âµm/m-Â°C	68.9 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	90.0 Â°C	194 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	76.0 Â°C	169 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1.00e+12 ohm	0 - 1.00e+12 ohm	ASTM D257

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