

## SABIC Innovative Plastics LNP STAT-LOY A3000TXJ ABS

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

LNP\* STAT-LOY\* A3000TXJ is a product based on ABS resin. Added features of this material include: Antistatic, Transparent, Formulated with FDA Food Contact Additives.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-LOY-A3000TXJ-ABS.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-A3000TXJ-ABS.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	38.0 MPa	5510 psi	Type I, 5 mm/min; ASTM D638
Elongation at Yield	4.0 %	4.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	1.77 GPa	257 ksi	5 mm/min; ASTM D638
Flexural Strength	54.0 MPa	7830 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.58 GPa	229 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	1.77 J/cm	3.32 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	77.0 Å°C @Thickness 3.20 mm	171 Å°F @Thickness 0.126 in	unannealed; ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 - 1.00e+12 ohm-cm	1.00e+10 - 1.00e+12 ohm-cm	ASTM D257
Surface Resistance	1.00e+10 - 1.00e+12 ohm	1.00e+10 - 1.00e+12 ohm	ASTM D257
Static Decay	<= 1.0 sec	<= 1.0 sec	5000V to <50V; FTMS101B

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