

## SABIC Innovative Plastics LNP STAT-LOY 93000LTH Acrylic

Category : Polymer , Thermoplastic , Acrylic (PMMA)

### Material Notes:

LNP\* STAT-LOY\* 93000LTH is a compound based on Acrylic resin. Added features of this material include: Antistatic, Transparent and Formulation Locked.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-LOY-93000LTH-Acrylic.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-93000LTH-Acrylic.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	1.78 GPa	258 ksi	5 mm/min; ASTM D638
Flexural Strength	47.0 MPa	6820 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.47 GPa	213 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.67 J/cm	12.5 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	66.0 Â°C @Thickness 3.20 mm	151 Â°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+9 - 1.00e+11 ohm-cm	1.00e+9 - 1.00e+11 ohm-cm	ASTM D257
Surface Resistance	1.00e+9 - 1.00e+11 ohm	1.00e+9 - 1.00e+11 ohm	ASTM D257
Static Decay	<= 1.0 sec	<= 1.0 sec	5000V to <50V; FTMS101B

## **Contact Songhan Plastic Technology Co.,Ltd.**

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