

LNP™ STAT-LOY™ 93000LTH compound

Acrylic
SABIC Innovative Plastics

Message:

LNP STAT-LOY 93000LTH is a compound based on Acrylic resin. Added features of this material include: Antistatic, Transparent and Formulation Locked.
Also known as: LNP* STAT-LOY* Compound 93000LTH
Product reorder name: 93000LTH

General Information			
Additive	Antistatic		
Features	Antistatic		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1790	MPa	ASTM D638
Tensile Strength ² (Break)	40.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	7.0	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	1470	MPa	ASTM D790
Flexural Strength ⁵ (Break, 50.0 mm Span)	47.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Unnotched Izod Impact (23°C)	670	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	66.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 to 1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+9 to 1.0E+11	ohms · cm	ASTM D257
Static Decay ⁶	< 1.0	sec	FTMS 101B
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050 to 0.10	%	
Rear Temperature	182 to 193	°C	
Middle Temperature	193 to 204	°C	
Front Temperature	204 to 216	°C	
Processing (Melt) Temp	199 to 210	°C	
Mold Temperature	10.0 to 48.9	°C	
Back Pressure	0.172 to 0.344	MPa	

Screw Speed	30 to 60	rpm
NOTE		
1.	5.0 mm/min	
2.	Type I, 5.0 mm/min	
3.	Type I, 5.0 mm/min	
4.	1.3 mm/min	
5.	1.3 mm/min	
6.	5000V to <50V	

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Recommended distributors for this material


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