

LNP™ STAT-LOY™ A3000XXP compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics Europe

Message:

LNP* STAT-LOY* A3000XXP is a compound based on ABS resin. Added feature of this material is: Antistatic

Also known as: LNP* STAT-LOY* Compound A

Product reorder name: A3000XXP

General Information			
Additive	Antistatic		
Features	Antistatic		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 to 0.70	%	Internal Method
Water Absorption (23°C, 24 hr)	2.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2/1
Tensile Stress (Yield)	32.0	MPa	ISO 527-2/5
Tensile Strain (Break)	14	%	ISO 527-2/5
Flexural Modulus ¹	1800	MPa	ISO 178
Flexural Stress	49.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	20	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	87.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	74.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.1E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.4E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12	ohms	ASTM D257
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. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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