

LNP™ STAT-LOY™ A30009 compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

LNP* Stat-Loy* A30009 is a compound based on Acrylonitrile Butadiene resin, containing Proprietary Filler, Flame Retardant. Added features include : Permanent Antistatic, Flame retardant.

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

Product reorder name: A30009

General Information			
UL YellowCard	E45329-101282653		
Filler / Reinforcement	Proprietary packing		
Additive	Flame retardancy		
Features	Antistatic property		
	Flame retardancy		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	12.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	33.0	MPa	ISO 527-2/5
Tensile Strain (Break)	> 10	%	ISO 527-2/5
Flexural Modulus ¹	1700	MPa	ISO 178
Flexural Stress	49.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	6.0	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	> 55	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	70.0	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 - 1.0E+11	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050 - 0.10	%	
Rear Temperature	182 - 193	°C	

Middle Temperature	193 - 204	°C
Front Temperature	204 - 216	°C
Processing (Melt) Temp	199 - 210	°C
Mold Temperature	10.0 - 48.9	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 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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