

LNP™ STAT-LOY™ AX11421 compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

LNP STAT-LOY AX11421 is a compound based on ABS resin. Added feature of this material is: Antistatic.

Also known as: LNP* STAT-LOY* Compound AX11421

Product reorder name: AX11421

General Information			
UL YellowCard	E121562-101132078		
Additive	Antistatic		
Features	Antistatic		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	0.50 to 0.70	%	
Across Flow : 24 hr	0.70 to 0.90	%	
Water Absorption			
24 hr, 50% RH	2.0	%	ASTM D570
Equilibrium, 23°C, 50% RH	3.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	1410	MPa	ASTM D638
--	1320	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	30.0	MPa	ASTM D638
Yield	30.0	MPa	ISO 527-2/5
Break ³	21.0	MPa	ASTM D638
Break	21.0	MPa	ISO 527-2/5
Tensile Elongation			
Yield ⁴	4.7	%	ASTM D638
Yield	4.4	%	ISO 527-2/5
Break ⁵	48	%	ASTM D638
Break	81	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁶	1350	MPa	ASTM D790
-- ⁷	1330	MPa	ISO 178
Flexural Stress			
--	44.0	MPa	ISO 178
Yield, 50.0 mm Span ⁸	44.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			
23°C	430	J/m	ASTM D256
23°C ⁹	40	kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	No Break		ASTM D4812, ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	29.0	J	ASTM D3763
--	20.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	86.0	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ¹⁰	85.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	69.0	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹¹	67.0	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	1.1E-4	cm/cm/°C	
Transverse : -30 to 30°C	1.3E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+7 to 1.0E+9	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			
1.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	Type I, 5.0 mm/min		
5.	Type I, 5.0 mm/min		
6.	1.3 mm/min		
7.	2.0 mm/min		
8.	1.3 mm/min		
9.	80*10*4		
10.	80*10*4 mm		
11.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT