

LNP™ STAT-LOY™ 9X07438 compound

Acrylonitrile Styrene Acrylate + PC

SABIC Innovative Plastics

Message:

LNP STAT-LOY 9X07438 is a compound based on Polycarbonate/ASA containing Proprietary Filler(s). Added features of this grade include: Antistatic, Colorable, Weatherable.

Also known as: LNP* STAT-LOY* Compound 9X07438

Product reorder name: 9X07438

General Information	
Filler / Reinforcement	Proprietary
Additive	Antistatic
Features	Antistatic
	Good Colorability
	Good Weather Resistance

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.40 to 0.60	%	
Across Flow : 24 hr	0.50 to 0.70	%	
Water Absorption			
24 hr, 50% RH	0.62	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	2190	MPa	ASTM D638
--	2020	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	51.0	MPa	ASTM D638
Yield	50.0	MPa	ISO 527-2/5
Break ³	40.0	MPa	ASTM D638
Break	39.0	MPa	ISO 527-2/5
Tensile Elongation			
Yield ⁴	5.0	%	ASTM D638
Yield	4.7	%	ISO 527-2/5
Break ⁵	50	%	ASTM D638
Break	77	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁶	2020	MPa	ASTM D790
-- ⁷	1890	MPa	ISO 178

Flexural Stress			
--	60.0	MPa	ISO 178
Yield, 50.0 mm Span ⁸	68.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	180	J/m	ASTM D256
23°C ⁹	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	1700	J/m	ASTM D4812
23°C ¹⁰	180	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	27.7	J	ASTM D3763
--	27.2	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	105	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ¹¹	106	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	88.0	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹²	89.0	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	7.3E-5	cm/cm/°C	
Transverse : -30 to 30°C	9.1E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12	ohms	ASTM D257
NOTE			
1.	50 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		
11.	80*10*4 mm		
12.	80*10*4 mm		

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