

LNP™ STAT-LOY™ 9X03508 compound

Polyphenylene Ether + PS + Nylon

SABIC Innovative Plastics

Message:

LNP STAT-LOY 9X03508 is a compound based on PPO+PA66 resin containing Proprietary Filler(s). Added features of this material include: Antistatic, Flame Retardant, High Impact.

Also known as: LNP* STAT-LOY* Compound PDX-03508

Product reorder name: 9X03508

General Information			
UL YellowCard	E121562-101284110		
Filler / Reinforcement	Proprietary		
Additive	Antistatic		
Features	Antistatic		
	Flame Retardant		
	High Impact Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792, ISO 1183
Water Absorption (24 hr, 50% RH)	0.90	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	4830	MPa	ASTM D638
--	4470	MPa	ISO 527-2/1
Tensile Strength			
Yield	53.1	MPa	ASTM D638
Yield	59.0	MPa	ISO 527-2
Break	53.1	MPa	ASTM D638
Break	58.0	MPa	ISO 527-2
Tensile Elongation			
Yield	2.1	%	ASTM D638
Yield	2.5	%	ISO 527-2
Break	2.2	%	ASTM D638
Break	2.8	%	ISO 527-2
Flexural Modulus			
--	3450	MPa	ASTM D790
--	4000	MPa	ISO 178
Flexural Strength			
--	82.7	MPa	ASTM D790
--	96.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	37	J/m	ASTM D256
23°C ²	4.2	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	430	J/m	ASTM D4812
23°C ³	27	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	8.00	J	ASTM D3763
--	1.90	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	230	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	218	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	186	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	179	°C	ISO 75-2/Af
CLTE			ASTM E831, ISO 11359-2
Flow : -40 to 40°C	6.5E-5	cm/cm/°C	
Transverse : -40 to 40°C	4.3E-5	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	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	199 to 210	°C	
Middle Temperature	210 to 221	°C	
Front Temperature	221 to 232	°C	
Processing (Melt) Temp	199 to 232	°C	
Mold Temperature	37.8 to 54.4	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	80*10*4 mm		

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