

LNP™ STAT-LOY™ NX03583 compound

Polycarbonate + ABS

SABIC Innovative Plastics

Message:

LNP STAT-LOY* NX03583 is a compound based on PC+ABS Blend resin containing Anti-Static, Flame Retardant. Added features of this material include: Antistat.

Also known as: LNP* STAT-LOY* Compound PDX-03583

Product reorder name: NX03583

General Information			
UL YellowCard	E207780-101345234		
Additive	Antistatic property		
Features	Antistatic property		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2160	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	56.2	MPa	ASTM D638
Fracture	49.6	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	100	%	ASTM D638
Fracture	5.0	%	ASTM D638
Flexural Modulus	2160	MPa	ASTM D790
Flexural Strength	84.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256
Instrumented Dart Impact (23°C, Energy at Peak Load)	38.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	99.4	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 - 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm, Testing by SABIC)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	

Suggested Max Moisture	0.020	%
Rear Temperature	199 - 210	°C
Middle Temperature	210 - 221	°C
Front Temperature	221 - 232	°C
Processing (Melt) Temp	199 - 232	°C
Mold Temperature	37.8 - 54.4	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

NOTE

1. 50 mm/min

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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



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