

LNP™ STAT-LOY™ PF303 compound

Polyamide 6

SABIC Innovative Plastics

Message:

LNP STAT-KON PF303 is a compound based on Nylon 6 resin containing Glass Fiber. Added features of this material include: Antistat.

Also known as: LNP* STAT-LOY* Compound PF-15

Product reorder name: PF303

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Antistatic property		
Features	Antistatic property		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	5050	MPa	ASTM D638
Tensile Strength (Break)	82.0	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	4090	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Unnotched Izod Impact (23°C)	650	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	183	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 - 1.0E+11	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	216 - 227	°C	
Middle Temperature	221 - 232	°C	
Front Temperature	227 - 238	°C	
Processing (Melt) Temp	232	°C	
Mold Temperature	82.2 - 93.3	°C	
Back Pressure	0.344 - 0.689	MPa	
Screw Speed	30 - 60	rpm	

NOTE

1. 50 mm/min

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Recommended distributors for this material

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