

LNP™ STAT-KON™ PX11002 compound

Polyamide 6

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON PX11002 is a compound based on PA 6 resin containing Carbon Powder, Flame Retardant. Added features include; Electrically Conductive, Flame Retardant.

Also known as: LNP* STAT-KON* Compound PX11002

Product reorder name: PX11002

General Information			
Filler / Reinforcement	Carbon Powder		
Additive	Flame Retardant		
Features	Electrically Conductive		
	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1
Tensile Stress (Yield)	42.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.8	%	ISO 527-2/5
Flexural Modulus ¹	2300	MPa	ISO 178
Flexural Stress	68.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	75	kJ/m ²	ISO 180/1U
Multi-Axial Instrumented Impact Energy	20.0	J	ISO 6603-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 to 1.0E+10	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm, Testing by SABIC)	V-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	243 to 254	°C	
Middle Temperature	249 to 260	°C	
Front Temperature	249 to 260	°C	
Processing (Melt) Temp	254 to 266	°C	

Mold Temperature	54.4 to 93.3	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	

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