

LNP™ STAT-KON™ PX08019 compound

Polyamide 6

SABIC Innovative Plastics Europe

Message:

LNP STAT-KON PX08019 is a compound based on PA 6 resin containing Glass Fiber, Carbon Fiber, Flame Retardant. Added features include; Non-Halogen Flame Retardant, Electrically Conductive.

General Information			
Filler / Reinforcement	Glass\Carbon Fiber		
Additive	Flame Retardant		
Features	Electrically Conductive		
	Flame Retardant		
	Halogen Free		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	160	MPa	ISO 527-2/5
Tensile Strain (Break)	2.3	%	ISO 527-2/5
Flexural Modulus ¹	11500	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	207	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 to 1.0E+6	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, Testing by SABIC)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	240 to 260	°C	
Middle Temperature	250 to 270	°C	
Front Temperature	250 to 270	°C	
Processing (Melt) Temp	250 to 270	°C	

Mold Temperature	70.0 to 90.0	°C
Back Pressure	0.200 to 0.300	MPa
Screw Speed	30 to 60	rpm

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

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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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