



LNP™ STAT-KON™ Compound PX08019

Europe-Africa-Middle East: COMMERCIAL

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.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	160	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.3	%	ISO 527
Flexural Stress, yield, 2 mm/min	230	MPa	ISO 178
Flexural Modulus, 2 mm/min	11500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	45	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	207	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.2 - 0.4	%	SABIC Method
Density	1.31	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+04 - 1.E+06	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	1.6	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	75 - 85	°C
Drying Time	4 - 6	hrs
Melt Temperature	250 - 270	°C
Front - Zone 3 Temperature	250 - 270	°C
Middle - Zone 2 Temperature	250 - 270	°C
Rear - Zone 1 Temperature	240 - 260	°C
Mold Temperature	70 - 90	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm