



LNP™ STAT-KON™ Compound PX11002

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PX11002
Product reorder name: PX11002

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	42	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.8	%	ISO 527
Tensile Modulus, 1 mm/min	2400	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	68	MPa	ISO 178
Flexural Modulus, 2 mm/min	2300	MPa	ISO 178
IMPACT			
Multiaxial Impact	203	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	75	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m ²	ISO 180/1A
PHYSICAL			
Density	1.31	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+04 - 1.E+10	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-1 Flame Class Rating (3)(4)	3	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	255 - 265	°C
Front - Zone 3 Temperature	250 - 260	°C
Middle - Zone 2 Temperature	250 - 260	°C
Rear - Zone 1 Temperature	245 - 255	°C
Mold Temperature	55 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm