

LNP™ STAT-KON™ Compound RX04031

PA66-(CF+GF)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP STAT-KON RX04031 compound is based on Nylon 6/6 resin containing 10% carbon fiber and 30% glass fiber. Added features of this grade include: Electrically Conductive, Non-Brominated & Non-Chlorinated Flame Retardant, Easy Molding.

UL Yellow Card Link [E45329-101282766](https://www.ul.com/yellowcard/E45329-101282766)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	184	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	15000	MPa	ISO 178
Izod impact strength, +23°C, 4mm	63	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	9	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	218	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	10000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1470	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.25	%	-
Melt temperature	265 - 275	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	250 - 260	°C	-
Zone 2	255 - 265	°C	-
Zone 3	260 - 270	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Increased electrical conductivity, Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific