

Product Texts

LNP STAT-KON JK800 compound is based on Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend containing 8% carbon fiber. Added features of this grade include: Electrically Conductive, Good Hydrolytic Stability, Non-Brominated, Non-Chlorinated Flame Retardant.

UL Yellow Card Link [E207780-101632098](https://www.ul.com/yellow-card/E207780-101632098)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	17	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7500	MPa	ISO 527
Yield stress	95	MPa	ISO 527
Yield strain	1.9	%	ISO 527
Stress at break	95	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus	6380	MPa	ISO 178
Izod impact strength, +23°C, 4mm	21	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	4	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	7580	MPa	ASTM D 638
Tensile Strength at Yield	96	MPa	ASTM D 638
Tensile Strength at Break	96	MPa	ASTM D 638
Elongation at Yield	1.9	%	ASTM D 638
Elongation at Break	1.9	%	ASTM D 638
Flexural Modulus	6200	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	347	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, 120°C/h 50N	101	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 66 psi	97	°C	ASTM D 648
DTUL @ 264 psi	92	°C	ASTM D 648
Vicat Temperature	111	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257
Volume Resistivity	1000	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 80	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.04	%	-
Melt temperature	230 - 275	°C	-

LNP™ STAT-KON™ Compound JK800

(PC+ABS)-CF8

Saudi Basic Industries Corporation (SABIC)

Mold temperature	50 - 70	°C	-
Zone 1	210 - 255	°C	-
Zone 2	215 - 260	°C	-
Zone 3	225 - 275	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Increased electrical conductivity, Flame retardant

Chemical Resistance

Hydrolytically Stable

Regional Availability

North America, Europe, Asia Pacific