

**Product Texts**

LNP STAT-KON DX99873C compound is based on Polycarbonate (PC) resin containing 25% carbon fiber. Added features of this grade include: LNP Clean Compounding Technology, Electrically Conductive, High Flow, Dimensional Stability.

UL Yellow Card Link [E121562-101284691](https://www.ul.com/yellow-card/E121562-101284691)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.1	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.4	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10800	MPa	ISO 527
Stress at break	99	MPa	ISO 527
Strain at break	1.6	%	ISO 527
Flexural modulus	9250	MPa	ISO 178
Flexural strength	163	MPa	ISO 178
Izod impact strength, +23°C, 4mm	30	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	10750	MPa	ASTM D 638
Tensile Strength at Break	104	MPa	ASTM D 638
Elongation at Break	1.7	%	ASTM D 638
Flexural Modulus	9680	MPa	ASTM D 790
Flexural Strength	171	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	485	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	139	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	138	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	1000000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1290	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-

**LNP™ STAT-KON™ Compound DX99873C**

PC-CF25

Saudi Basic Industries Corporation (SABIC)

Zone 3	<b>320 - 330</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity