

**Product Texts**

LNP STAT-KON DX05301C compound is based on Polycarbonate (PC) resin containing conductive carbon powder. Added features of this grade include: LNP Clean Compounding Technology, Low Ionic, Low Outgassing, Low LPC and Electrically Conductive.

UL Yellow Card Link [E207780-101282790](https://www.ul.com/yellow-card/E207780-101282790)

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	22	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	22.6	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	5	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	2490	MPa	ISO 527
Yield stress	56	MPa	ISO 527
Yield strain	1.5	%	ISO 527
Stress at break	56	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus	2480	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	5	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2590	MPa	ASTM D 638
Tensile Strength at Yield	48	MPa	ASTM D 638
Tensile Strength at Break	60	MPa	ASTM D 638
Elongation at Yield	5.3	%	ASTM D 638
Elongation at Break	9.9	%	ASTM D 638
Flexural Modulus	2280	MPa	ASTM D 790
Izod Impact notched, 1/8 in	54	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	131	°C	ISO 75-1/-2
Vicat softening temperature, 120°C/h 50N	146	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	132	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Surface Resistivity	4.5E8	Ohm	ASTM D 257
Volume Resistivity	4.5E8	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	1220	kg/m <sup>3</sup>	ISO 1183
Density	1220	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-

**LNP™ STAT-KON™ Compound DX05301C**

PC-CD

Saudi Basic Industries Corporation (SABIC)

Zone 1	<b>295 - 305</b>	°C	-
Zone 2	<b>310 - 320</b>	°C	-
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