

## LNP\* Stat-kon\* Compound DX00887C

Americas: COMMERCIAL

Also known as: PDX-D-00887 CCS  
Product Reorder Name: DX00887C

LNP STAT-KON\* DX00887C is a compound based on Polycarbonate resin containing Carbon Powder. Added features of this material include: Clean Compounding System.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
	Value	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, yield	58	MPa	ASTM D 638
Tensile Stress, break	58	MPa	ASTM D 638
Tensile Strain, yield	4.7	%	ASTM D 638
Tensile Strain, break	10.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	2770	MPa	ASTM D 638
Flexural Stress	101	MPa	ASTM D 790
Flexural Modulus	2990	MPa	ASTM D 790
Tensile Stress, yield	52	MPa	ISO 527
Tensile Stress, break	59	MPa	ISO 527
Tensile Strain, yield	9	%	ISO 527
Tensile Strain, break	4.4	%	ISO 527
Tensile Modulus, 1 mm/min	2840	MPa	ISO 527
Flexural Stress	83	MPa	ISO 178
Flexural Modulus	2810	MPa	ISO 178
<b>IMPACT</b>			
Izod Impact, unnotched, 23°C	1623	J/m	ASTM D 4812
Izod Impact, notched, 23°C	69	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	3	J	ASTM D 3763
Multiaxial Impact	27	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	123	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL</b>			
HDT, 1.82 MPa, 3.2mm, unannealed	129	°C	ASTM D 648
CTE, -40°C to 40°C, flow	3.E-07	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	5.77E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	3.E-07	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	5.78E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	131	°C	ISO 75/Af
<b>PHYSICAL</b>			
Density	1.24	g/cm <sup>3</sup>	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.2	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.75	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.76	%	ISO 294
Moisture Absorption (23°C / 50% RH)	0.32	%	ISO 62

ELECTRICAL	Value	Unit	Standard
Surface Resistivity	1.E+02 - 1.E+06	Ohm	ASTM D 257

Source GMD, last updated:10/01/2004

## Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 325	°C
Front - Zone 3 Temperature	320 - 330	°C
Middle - Zone 2 Temperature	310 - 320	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:10/01/2004

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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