

## LNP\* Stat-kon\* Compound DX04462C

Americas: COMMERCIAL

Also known as: PDX-D-04462 CCS  
Product Reorder Name: DX04462C

LNP STAT-KON\* DX04462C 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>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	53	MPa	ASTM D 638
Tensile Strain, break	7.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	2470	MPa	ASTM D 638
Flexural Stress	96	MPa	ASTM D 790
Flexural Modulus	2710	MPa	ASTM D 790
Tensile Stress, break	53	MPa	ISO 527
Tensile Strain, break	5.7	%	ISO 527
Tensile Modulus, 1 mm/min	2560	MPa	ISO 527
Flexural Stress	98	MPa	ISO 178
Flexural Modulus	2720	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	678	J/m	ASTM D 4812
Izod Impact, notched, 23°C	48	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	68	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m <sup>2</sup>	ISO 180/1A
THERMAL	Value	Unit	Standard
HDT, 0.45 MPa, 3.2 mm, unannealed	137	°C	ASTM D 648
CTE, -40°C to 40°C, flow	6.3E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	6.12E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	6.35E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	6.25E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	128	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	139	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.22	g/cm <sup>3</sup>	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.6 - 0.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.6 - 0.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.6 - 0.8	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.6 - 0.8	%	ISO 294
Density	1.22	g/cm <sup>3</sup>	ISO 1183
ELECTRICAL	Value	Unit	Standard
Surface Resistivity	1.E+06 - 1.E+09	Ohm	ASTM D 257

Source GMD, last updated:04/26/2005

### Processing

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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