

LNP* Stat-kon* Compound RD000I

Americas: COMMERCIAL

Also known as: R-HI

Product Reorder Name: RD000I

LNP* STAT-KON* RD000I is a compound based on Nylon 66 resin containing Carbon Powder, Impact Modifier. Added features of this material include: Electrically Conductive, High Impact.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break	46	MPa	ASTM D 638
Tensile Strain, break	13.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	2380	MPa	ASTM D 638
Flexural Stress	82	MPa	ASTM D 790
Flexural Modulus	2620	MPa	ASTM D 790
IMPACT	Value	Unit	Standard
Izod Impact, unnotched, 23°C	2189	J/m	ASTM D 4812
Izod Impact, notched, 23°C	250	J/m	ASTM D 256
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	75	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.21E-04	1/°C	ASTM E 831
Thermal Conductivity	2.8	W/m·°C	ASTM E 1530
PHYSICAL	Value	Unit	Standard
Density	1.15	g/cm ³	ASTM D 792
ELECTRICAL	Value	Unit	Standard
Surface Resistivity	1.E+00 - 6.E+00	Ohm	ASTM D 257

Source GMD, last updated:10/11/2005

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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