

LNP* Stat-kon* Compound
SE003

Europe-Africa-Middle East: COMMERCIAL

Also known as: SC1003
Product Reorder Name: SE003

LNP* Stat-kon* SE003 is a compound based on Nylon 12 resin containing Carbon Fiber. Added features of this material include:
Electrically Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break, 5 mm/min	121	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.8	%	ISO 527
Tensile Modulus, 1 mm/min	8600	MPa	ISO 527
Flexural Stress, break, 2 mm/min	172	MPa	ISO 178
Flexural Modulus, 2 mm/min	7600	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched 80*10*4 +23°C	50	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	15	kJ/m ²	ISO 180/1A
THERMAL	Value	Unit	Standard
CTE, 23°C to 60°C, flow	9.E-06	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	1.56E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	177	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	167	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Density	1.08	g/cm ³	ISO 1183
ELECTRICAL	Value	Unit	Standard
Surface Resistivity	1.E+03 - 1.E+05	Ohm	ASTM D 257

Source GMD, last updated:01/02/2007

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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