

## LNP\* Stat-kon\* Compound RE004

Americas: COMMERCIAL

Also known as: RC-1004  
Product Reorder Name: RE004

LNP\* Stat-kon\* RE004 is a compound based on Nylon 66 resin containing Carbon Fiber. Added features of this material include:  
Electrically Conductive.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
	Value	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, break	219	MPa	ASTM D 638
Tensile Strain, break	4.3	%	ASTM D 638
Flexural Stress	312	MPa	ASTM D 790
Flexural Modulus	12340	MPa	ASTM D 790
Tensile Stress, break	233	MPa	ISO 527
Tensile Strain, break	2.9	%	ISO 527
Flexural Stress	337	MPa	ISO 178
Flexural Modulus	14600	MPa	ISO 178
<b>IMPACT</b>			
Izod Impact, unnotched, 23°C	523	J/m	ASTM D 4812
Izod Impact, notched, 23°C	64	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	54	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m <sup>2</sup>	ISO 180/1A
<b>PHYSICAL</b>			
Density	1.25	g/cm <sup>3</sup>	ASTM D 792
<b>ELECTRICAL</b>			
Surface Resistivity	1.E+02 - 1.E+06	Ohm	ASTM D 257
<b>FLAME CHARACTERISTICS</b>			
UL Compliant, 94HB Flame Class Rating (3)(4)	1.5	mm	UL 94 by GE

Source GMD, last updated:10/01/2004

### Processing

Parameter	Value	Unit
<b>Injection Molding</b>		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	280 - 305	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	95 - 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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