



LNP™ STAT-KON™ Compound RE004

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound RC-1004

Product reorder name: RE004

LNP STAT-KON RE004 is a compound based on Nylon 66 resin containing 20% Carbon Fiber. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	2230	kgf/cm ²	ASTM D 638
Tensile Strain, break	4.3	%	ASTM D 638
Flexural Stress	3180	kgf/cm ²	ASTM D 790
Flexural Modulus	125800	kgf/cm ²	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
IMPACT			
Izod Impact, unnotched, 23°C	53	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	6	cm-kgf/cm	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	54	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
PHYSICAL			
Density	1.25	g/cm ³	ASTM D 792
ELECTRICAL			
Surface Resistivity	1.E+02 - 1.E+06	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94HB Flame Class Rating (3)(4)	1.5	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
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