



LNP™ STAT-KON™ Compound RE008

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound EMI-X RC-1008

Product reorder name: RE008

LNP STAT-KON RE008 is a compound based on Nylon 66 containing 40% Carbon Fiber. Characteristics of this grade include: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	2640	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.3	%	ASTM D 638
Tensile Modulus, 5 mm/min	339900	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	3970	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	260900	kgf/cm ²	ASTM D 790
Tensile Strain, yield, 5 mm/min	252	%	ISO 527
Flexural Modulus, 2 mm/min	25000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	109	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	11	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	256	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	255	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.32	-	ASTM D 792
ELECTRICAL			
Surface Resistivity	1.E+01 - 1.E+04	Ohm	ASTM D 257



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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