



LNP™ STAT-KON™ Compound KE002

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound KC-1002

Product reorder name: KE002

LNP STAT-KON KE002 is a compound based on Acetal resin containing 10% Carbon Fiber. Added feature of this material is: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	1080	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.4	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	1645580	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	0	kgf/cm ²	ASTM D 790
Tensile Stress, break, 5 mm/min	104	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2	%	ISO 527
Tensile Modulus, 1 mm/min	8220	MPa	ISO 527
Flexural Stress	154	MPa	ISO 178
Flexural Modulus, 2 mm/min	7050	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	38	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	161	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.43	-	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.5 - 0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1 - 3	%	ASTM D 955
ELECTRICAL			
Surface Resistivity	1.E+02 - 1.E+05	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	200 - 215	°C
Front - Zone 3 Temperature	210 - 220	°C
Middle - Zone 2 Temperature	195 - 205	°C
Rear - Zone 1 Temperature	175 - 190	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm