



LNP™ STAT-KON™ Compound KX02764

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-K-02764

Product reorder name: KX02764

LNP STAT-KON™ KX02764 is a compound based on Acetal resin containing Proprietary Filler(s). Added feature of this material is: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	540	kgf/cm ²	ASTM D 638
Tensile Stress, break	480	kgf/cm ²	ASTM D 638
Tensile Strain, yield	3.8	%	ASTM D 638
Tensile Strain, break	10.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	35500	kgf/cm ²	ASTM D 638
Flexural Stress	1020	kgf/cm ²	ASTM D 790
Flexural Modulus	30700	kgf/cm ²	ASTM D 790
Tensile Stress, yield	53	MPa	ISO 527
Tensile Stress, break	46	MPa	ISO 527
Tensile Strain, yield	4	%	ISO 527
Tensile Strain, break	18.1	%	ISO 527
Tensile Modulus, 1 mm/min	3460	MPa	ISO 527
Flexural Stress	96	MPa	ISO 178
Flexural Modulus	3010	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
Instrumented Impact Energy @ peak, 23°C	31	cm-kgf	ASTM D 3763
Multiaxial Impact	77	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	52	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	106	°C	ASTM D 648



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	103	°C	ISO 75/Af
PHYSICAL			
Density	1.443	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.18	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	1.5 - 3.5	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1.5 - 3.5	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	1.5 - 3.5	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	1.5 - 3.5	%	ISO 294
Density	1.43	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.25	%	ISO 62
ELECTRICAL			
Volume Resistivity	1.E+02 - 1.E+06	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+02 - 1.E+06	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