



LNP™ STAT-KON™ Compound FX98500C

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-F-98500

Product reorder name: FX98500C

LNP STAT-KON FX98500C is a compound based on Polyethylene resin containing Proprietary Filler(s). Added feature of this material is: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	240	kgf/cm ²	ASTM D 638
Tensile Stress, break	140	kgf/cm ²	ASTM D 638
Tensile Strain, yield	15.8	%	ASTM D 638
Tensile Strain, break	43.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	11000	kgf/cm ²	ASTM D 638
Flexural Stress	270	kgf/cm ²	ASTM D 790
Flexural Modulus	8800	kgf/cm ²	ASTM D 790
Tensile Stress, yield	23	MPa	ISO 527
Tensile Stress, break	14	MPa	ISO 527
Tensile Strain, yield	14	%	ISO 527
Tensile Strain, break	82.8	%	ISO 527
Tensile Modulus, 1 mm/min	870	MPa	ISO 527
Flexural Stress	27	MPa	ISO 178
Flexural Modulus	930	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	NB	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	218	cm-kgf	ASTM D 3763
Multiaxial Impact	644	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	46	°C	ASTM D 648



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THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	48	°C	ISO 75/Af
PHYSICAL			
Density	0.976	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.02	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	2.7 - 3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1.9 - 2.2	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	2.7 - 3	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	1.9 - 2.2	%	ISO 294
Density	0.97	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.02	%	ISO 62
ELECTRICAL			
Volume Resistivity	1.E+02 - 1.E+05	Ohm-cm	ASTM D 257
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	230	°C
Front - Zone 3 Temperature	220 - 230	°C
Middle - Zone 2 Temperature	210 - 220	°C
Rear - Zone 1 Temperature	195 - 205	°C
Mold Temperature	40 - 55	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm