



LNP™ STAT-KON™ Compound EX12406C

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound EX12406C

Product reorder name: EX12406C

LNP STAT-KON EX12406C is a compound based on Polyetherimide resin containing Electrically Conductive Fillers.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	910	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.8	%	ASTM D 638
Tensile Modulus, 5 mm/min	35700	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	1570	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	36500	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	47	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	192	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.29	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.2	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.5 - 0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.5 - 0.7	%	ASTM D 955
Melt Flow Rate, 337°C/6.6 kgf	7	g/10 min	ASTM D 1238
ELECTRICAL			
Surface Resistivity	1.E+04 - 1.E+08	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Front - Zone 3 Temperature	370 - 400	°C
Middle - Zone 2 Temperature	370 - 400	°C
Rear - Zone 1 Temperature	370 - 400	°C
Mold Temperature	150 - 165	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	50 - 100	rpm