



LNP™ STAT-KON™ Compound DX04489C

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-D-04489 CCS

Product reorder name: DX04489C

LNP STAT-KON™ DX04489C is a high modulus compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Clean Compounding System, Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1320	kgf/cm ²	ASTM D 638
Tensile Stress, break	1130	kgf/cm ²	ASTM D 638
Tensile Strain, yield	2.2	%	ASTM D 638
Tensile Strain, break	2.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	169600	kgf/cm ²	ASTM D 638
Flexural Stress	2100	kgf/cm ²	ASTM D 790
Flexural Modulus	158300	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	49	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	117	cm-kgf	ASTM D 3763
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	140	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.62E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	4.14E-05	1/°C	ASTM E 831
PHYSICAL			
Density	1.33	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
Mold Shrinkage, xflow, 24 hrs (5)	0.3	%	ASTM D 955
ELECTRICAL			
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	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 325	°C
Front - Zone 3 Temperature	320 - 330	°C
Middle - Zone 2 Temperature	310 - 320	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm