



LNP* Stat-kon* Compound DE0029P

Asia Pacific: COMMERCIAL

Also known as: LNP* Stat-kon* Compound DC-10 EP FR

Product reorder name: DE0029P

LNP STAT-KON* DE0029P is a compound based on Polycarbonate resin containing Carbon Fiber, Flame Retardant. Added features of this material include: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	1040	kgf/cm ²	ASTM D 638
Tensile Strain, break	3.1	%	ASTM D 638
Tensile Modulus, 50 mm/min	68400	kgf/cm ²	ASTM D 638
Flexural Stress	1610	kgf/cm ²	ASTM D 790
Flexural Modulus	62500	kgf/cm ²	ASTM D 790
Tensile Stress, yield	103	MPa	ISO 527
Tensile Strain, yield	2.8	%	ISO 527
Tensile Modulus, 1 mm/min	6640	MPa	ISO 527
Flexural Stress	156	MPa	ISO 178
Flexural Modulus	5210	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	54	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	122	cm-kgf	ASTM D 3763
Multiaxial Impact	30	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	34	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	136	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	136	°C	ISO 75/Af
PHYSICAL			
Density	1.25	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.1 - 0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.5 - 0.7	%	ASTM D 955



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PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.1 - 0.3	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.5 - 0.7	%	ISO 294
Density	1.24	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+06 - 1.E+09	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	1	mm	UL 94 by GE