



LNP™ STAT-KON™ Compound DX96717C

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-D-96717 LEX

Product reorder name: DX96717C

LNP STAT-KON™ DX96717C is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	640	kgf/cm ²	ASTM D 638
Tensile Stress, break	550	kgf/cm ²	ASTM D 638
Tensile Strain, yield	5	%	ASTM D 638
Tensile Strain, break	9.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	25300	kgf/cm ²	ASTM D 638
Flexural Stress	1000	kgf/cm ²	ASTM D 790
Flexural Modulus	29500	kgf/cm ²	ASTM D 790
Tensile Stress, yield	61	MPa	ISO 527
Tensile Stress, break	51	MPa	ISO 527
Tensile Strain, yield	4.7	%	ISO 527
Tensile Strain, break	11.1	%	ISO 527
Tensile Modulus, 1 mm/min	2700	MPa	ISO 527
Flexural Stress	98	MPa	ISO 178
Flexural Modulus	2800	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	186	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	6	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	280	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	123	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	143	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	131	°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	135	°C	ISO 75/Af
PHYSICAL			
Density	1.3	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.17	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.75	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.75	%	ISO 294
Moisture Absorption (23°C / 50% RH)	0.25	%	ISO 62
ELECTRICAL			
Surface Resistivity	1.E+04 - 1.E+08	Ohm	ASTM D 257
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	1.8	mm	UL 94 by SABIC-IP



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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