



LNP™ STAT-KON™ Compound DX98477

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-D-98477

Product reorder name: DX98477

LNP STAT-KON DX98477 is a compound based on Polycarbonate containing Proprietary Filler(s). Added feature of this grade is: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	600	kgf/cm ²	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	490	kgf/cm ²	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	4.8	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	21.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	28400	kgf/cm ²	ASTM D 638
Flexural Modulus, 1.3 mm/min, 50 mm span	29400	kgf/cm ²	ASTM D 790
Tensile Stress, yield, 5 mm/min	58	MPa	ISO 527
Tensile Stress, break, 5 mm/min	46	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	4.7	%	ISO 527
Tensile Strain, break, 5 mm/min	21.4	%	ISO 527
Tensile Modulus, 1 mm/min	2700	MPa	ISO 527
Flexural Stress	89	MPa	ISO 178
Flexural Modulus, 2 mm/min	2720	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	237	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	8	cm-kgf/cm	ASTM D 256
Multiaxial Impact	352	cm-kgf	ISO 6603
Instrumented Impact Total Energy, 23°C	461	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	234	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	142	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	133	°C	ASTM D 648



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THERMAL			
CTE, -30°C to 30°C, flow	6.7E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	6.6E-05	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	142	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	132	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.25	-	ASTM D 792
Density	1.25	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.16	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.8 - 1	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.8 - 1	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	0.24	%	ISO 62
ELECTRICAL			
Surface Resistivity	2.E+00 - 6.E+00	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