



LNP™ STAT-KON™ Compound 9X02785

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-D-02785

Product reorder name: 9X02785

LNP STAT-KON™ 9X02785 is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added feature of this material is: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	650	kgf/cm ²	ASTM D 638
Tensile Stress, yld, Type I, 5 mm/min	640	kgf/cm ²	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	530	kgf/cm ²	ASTM D 638
Tensile Strain, break	4	%	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	4.3	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	7.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	29000	kgf/cm ²	ASTM D 638
Flexural Stress	1050	kgf/cm ²	ASTM D 790
Flexural Stress, yld, 1.3 mm/min, 50 mm span	1090	kgf/cm ²	ASTM D 790
Flexural Stress, brk, 1.3 mm/min, 50 mm span	770	kgf/cm ²	ASTM D 790
Flexural Modulus	29500	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	29700	kgf/cm ²	ASTM D 790
Tensile Stress, yield, 5 mm/min	56	MPa	ISO 527
Tensile Stress, break, 5 mm/min	52	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	2.9	%	ISO 527
Tensile Strain, break, 5 mm/min	3.1	%	ISO 527
Tensile Modulus, 1 mm/min	2760	MPa	ISO 527
Flexural Stress	96	MPa	ISO 178
Flexural Modulus, 2 mm/min	2790	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	220	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	6	cm-kgf/cm	ASTM D 256



LNP™ STAT-KON™ Compound 9X02785

Americas: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
IMPACT			
Multiaxial Impact	360	cm-kgf	ISO 6603
Instrumented Impact Total Energy, 23°C	364	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	149	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	117	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	106	°C	ASTM D 648
CTE, -30°C to 30°C, flow	6.8E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	6.8E-05	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	114	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	103	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.27	-	ASTM D 792
Density	1.26	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.09	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.4 - 0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.5 - 0.8	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	0.14	%	ISO 62
ELECTRICAL			
Volume Resistivity	1.E+02 - 1.E+07	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+02 - 1.E+05	Ohm	ASTM D 257



LNP™ STAT-KON™ Compound 9X02785

Americas: COMMERCIAL

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