



LNP™ STAT-LOY™ Compound 9X05426C

Americas: COMMERCIAL

Also known as: LNP™ STAT-LOY™ Compound PDX-05426 CCS BL5-343-2 TP

Product reorder name: 9X05426C

LNP STAT-KON 9X05426C is a compound based on PMMA resin containing Anti-Static. Added features of this material include: Antistat.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	430	kgf/cm ²	ASTM D 638
Tensile Stress, break	410	kgf/cm ²	ASTM D 638
Tensile Strain, yield	6.7	%	ASTM D 638
Tensile Strain, break	18.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	17800	kgf/cm ²	ASTM D 638
Flexural Stress	560	kgf/cm ²	ASTM D 790
Flexural Modulus	16900	kgf/cm ²	ASTM D 790
Tensile Stress, yield	42	MPa	ISO 527
Tensile Stress, break	39	MPa	ISO 527
Tensile Strain, yield	6.2	%	ISO 527
Tensile Strain, break	20.3	%	ISO 527
Tensile Modulus, 1 mm/min	1470	MPa	ISO 527
Flexural Stress	44	MPa	ISO 178
Flexural Modulus	1410	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	54	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	29	cm-kgf	ASTM D 3763
Multiaxial Impact	7	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	45	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	79	°C	ASTM D 648



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	67	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.01E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	1.08E-04	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	1.01E-04	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	1.09E-04	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	79	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	70	°C	ISO 75/Af
PHYSICAL			
Density	1.14	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.8	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.82	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.98	%	ISO 294
Density	1.13	g/cm ³	ISO 1183
ELECTRICAL			
Volume Resistivity	1.E+09 - 1.E+11	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+09 - 1.E+11	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	75 - 90	°C
Drying Time	4	hrs
Maximum Moisture Content	0.01	%
Nozzle Temperature	215 - 240	°C
Front - Zone 3 Temperature	215 - 240	°C
Middle - Zone 2 Temperature	215 - 240	°C
Rear - Zone 1 Temperature	215 - 240	°C
Mold Temperature	25 - 90	°C