



LNP™ STAT-KON™ Compound MD000AP

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound MD000AP

Product reorder name: MD000AP

LNP STAT-KON MD000AP is a compound based on Polypropylene containing Carbon Powder. Added features of this grade include: Electrically Conductive, Exceptional Processing.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	240	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.6	%	ASTM D 638
Tensile Modulus, 5 mm/min	20200	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	390	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	16000	kgf/cm ²	ASTM D 790
Tensile Stress, break, 5 mm/min	22	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.3	%	ISO 527
Tensile Modulus, 1 mm/min	1780	MPa	ISO 527
Flexural Stress	39	MPa	ISO 178
Flexural Modulus, 2 mm/min	1660	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	68	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
Multiaxial Impact	112	cm-kgf	ISO 6603
Instrumented Impact Total Energy, 23°C	152	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	38	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	3	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	109	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	60	°C	ASTM D 648
CTE, -30°C to 30°C, flow	8.9E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	9.E-05	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	88	°C	ISO 75/Bf





LNP™ STAT-KON™ Compound MD000AP

Americas: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	58	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.01	-	ASTM D 792
Density	1.012	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.02	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	1.4	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	1.6	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	0.02	%	ISO 62
ELECTRICAL			
Surface Resistivity	1.E+02	Ohm	ASTM D 257





LNP™ STAT-KON™ Compound MD000AP

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	225 - 250	°C
Front - Zone 3 Temperature	240 - 250	°C
Middle - Zone 2 Temperature	215 - 225	°C
Rear - Zone 1 Temperature	195 - 205	°C
Mold Temperature	30 - 50	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

