+135-3858-6433 (GuangDong)
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LNP™ STAT-KON™ Compound MX01767C

Americas: COMMERCIAL

Also known as: LNP™ STAT-KON™ Compound PDX-M-01767 CCS
Product reorder name: MX01767C

LNP STAT-KON MX01767C is a compound based on Polypropylene containing Proprietary Filler(s). Added features of this grade include: Electrically Conductive, Clean Compounding System.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	320	kgf/cm²	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	200	kgf/cm²	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	7.5	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	25.5	%	ASTM D 638
Tensile Modulus, 5 mm/min	18000	kgf/cm²	ASTM D 638
Flexural Modulus, 1.3 mm/min, 50 mm span	15100	kgf/cm²	ASTM D 790
Tensile Stress, yield, 5 mm/min	31	MPa	ISO 527
Tensile Stress, break, 5 mm/min	22	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	6.6	%	ISO 527
Tensile Strain, break, 5 mm/min	18	%	ISO 527
Tensile Modulus, 1 mm/min	1570	MPa	ISO 527
Flexural Stress	35	MPa	ISO 178
Flexural Modulus, 2 mm/min	1510	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	149	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	13	cm-kgf/cm	ASTM D 256
Multiaxial Impact	326	cm-kgf	ISO 6603
Instrumented Impact Total Energy, 23°C	377	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	141	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	95	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	53	°C	ASTM D 648

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.
(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
(4) Internal measurements according to UL standards.
(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.
(6) Needs hard coat to consistently pass 60 sec Vertical Burn.

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THERMAL			
CTE, -40°C to 40°C, flow	9.2E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	9.5E-05	1/°C	ASTM E 831
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	89	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	52	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	0.98	-	ASTM D 792
Density	0.98	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.02	%	ASTM D 570
Mold Shrinkage, flow (5)	1	%	SABIC Method
Mold Shrinkage, xflow (5)	2	%	SABIC Method
Moisture Absorption (23°C / 50% RH)	0.01	%	ISO 62
ELECTRICAL			
Surface Resistivity	3.E+00	Ohm	ASTM D 257

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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

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