

LNP™ STAT-KON™ MX01767C compound

Polypropylene
SABIC Innovative Plastics

Message:

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.

Also known as: LNP* STAT-KON* Compound PDX-M-01767 CCS

Product reorder name: MX01767C

General Information			
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
	Low (to None) Ion Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
--	0.978	g/cm ³	
--	0.980	g/cm ³	
Molding Shrinkage			Internal Method
Flow	1.0	%	
Across Flow	2.0	%	
Water Absorption			
24 hr, 50% RH	0.020	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	1770	MPa	ASTM D638
--	1570	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	32.0	MPa	ASTM D638
Yield	31.0	MPa	ISO 527-2/5
Break ³	20.0	MPa	ASTM D638
Break	22.0	MPa	ISO 527-2/5
Tensile Elongation			
Yield ⁴	7.5	%	ASTM D638
Yield	6.6	%	ISO 527-2/5
Break ⁵	26	%	ASTM D638
Break	18	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁶	1490	MPa	ASTM D790

-- ⁷	1520	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	130	J/m	ASTM D256
23°C ⁸	9.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	1500	J/m	ASTM D4812
23°C ⁹	140	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	37.0	J	ASTM D3763
--	32.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	95.0	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ¹⁰	89.0	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	53.0	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹¹	52.0	°C	ISO 75-2/Af
CLTE			ASTM E831
Flow : -40 to 40°C	9.2E-5	cm/cm/°C	
Transverse : -40 to 40°C	9.5E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	193 to 204	°C	
Middle Temperature	216 to 227	°C	
Front Temperature	238 to 249	°C	
Processing (Melt) Temp	227 to 249	°C	
Mold Temperature	32.2 to 48.9	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	Type I, 5.0 mm/min		
5.	Type I, 5.0 mm/min		
6.	1.3 mm/min		
7.	2.0 mm/min		
8.	80*10*4		

9.	80*10*4
10.	80*10*4 mm
11.	80*10*4 mm

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