

## SABIC Innovative Plastics LNP STAT-KON MX01739C PP

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

LNP\* SAT-KON\* MX01739C is a compound based on Polypropylene containing Proprietary Filler(s). Added features of this grade include:  
Electrically Conductive, Clean Compounding System.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-MX01739C-PP.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-MX01739C-PP.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Density	1.03 g/cc	0.0372 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.0200 %	0.0200 %	23 <sup>o</sup> C / 50% RH; ISO 62
	0.0200 %	0.0200 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.010 - 0.040 cm/cm	0.010 - 0.040 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	5 mm/min; ISO 527
	28.0 MPa	4060 psi	Type I, 5 mm/min; ASTM D638
Elongation at Yield	0.80 %	0.80 %	Type I, 5 mm/min; ASTM D638
	0.90 %	0.90 %	5 mm/min; ISO 527
Tensile Modulus	5.24 GPa	760 ksi	1 mm/min; ISO 527
	6.93 GPa	1010 ksi	50 mm/min; ASTM D638
Flexural Strength	40.0 MPa	5800 psi	ISO 178
Flexural Yield Strength	41.0 MPa	5950 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	5.58 GPa	809 ksi	1.3 mm/min, 50 mm span; ASTM D790
	5.59 GPa	811 ksi	2 mm/min; ISO 178
Izod Impact, Notched	0.340 J/cm	0.637 ft-lb/in	ASTM D256

Izod Impact, Unnotched Mechanical Properties	0.680 J/cm Metric	1.27 ft-lb/in English	ASTM D4812 Comments
Izod Impact, Notched (ISO)	2.00 kJ/m <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Dart Drop, Total Energy	15.0 J @Temperature 23.0 Â°C	11.1 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	4.00 J	2.95 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	17.0 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	9.44 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	77.4 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	43.0 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	125 Â°C	257 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	134 Â°C @Thickness 3.20 mm	273 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	83.0 Â°C	181 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	94.0 Â°C @Thickness 3.20 mm	201 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	4.0 - 7.0 ohm	4.0 - 7.0 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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