

## SABIC Innovative Plastics LNP STAT-KON DX07323 PC+ABS (Asia Pacific)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

### Material Notes:

LNP\* STAT-KON\* DX07323 is a compound based on polycarbonate resin containing conductive fillers. Added features of this compound includes: ESD safe and excellent low-temperature impact performance, intended for compliance to ATEX.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-DX07323-PCABS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DX07323-PCABS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in <sup>3</sup>	ASTM D792
	1.26 g/cc	0.0455 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	SABIC Method
	0.0040 - 0.0070 cm/cm @Time 86400 sec	0.0040 - 0.0070 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	SABIC Method
	0.0040 - 0.0070 cm/cm @Time 86400 sec	0.0040 - 0.0070 in/in @Time 24.0 hour	ASTM D955
Melt Flow	55 g/10 min @Load 10.0 kg, Temperature 300 Â°C	55 g/10 min @Load 22.0 lb, Temperature 572 Â°F	ASTM D1238
	50 g/10 min @Load 10.0 kg, Temperature 300 Â°C	50 g/10 min @Load 22.0 lb, Temperature 572 Â°F	MVR [cm <sup>3</sup> /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	44.0 MPa	6380 psi	5 mm/min; ISO 527
	55.0 MPa	7980 psi	ASTM D638
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D638
	55.0 MPa	7980 psi	5 mm/min; ISO 527
Elongation at Break	9.0 %	9.0 %	ASTM D638
	9.0 %	9.0 %	5 mm/min; ISO 527
Elongation at Yield	5.0 %	5.0 %	ASTM D638
	5.0 %	5.0 %	5 mm/min; ISO 527

Mechanical Properties	Metric	English	Comments
Tensile Modulus	2.40 GPa	348 ksi	5 mm/min; ASTM D538
	2.40 GPa	348 ksi	1 mm/min; ISO 527
Flexural Strength	84.0 MPa	12200 psi	ASTM D790
	88.0 MPa	12800 psi	2 mm/min; ISO 178
Flexural Modulus	2.20 GPa	319 ksi	ASTM D790
	2.40 GPa	348 ksi	2 mm/min; ISO 178
Izod Impact, Notched	1.80 J/cm	3.37 ft-lb/in	ASTM D256
	1.00 J/cm	1.87 ft-lb/in	ASTM D256
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	ASTM D256
Izod Impact, Unnotched	16.0 J/cm	30.0 ft-lb/in	ASTM D4812
	15.0 J/cm	28.1 ft-lb/in	ASTM D4812
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	ASTM D4812
Izod Impact, Notched (ISO)	16.0 kJ/mÂ²	7.61 ft-lb/inÂ²	80*10*4; ISO 180/1A
	10.0 kJ/mÂ²	4.76 ft-lb/inÂ²	80*10*4; ISO 180/1A
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	130 kJ/mÂ²	61.9 ft-lb/inÂ²	80*10*4; ISO 180/1U
	100 kJ/mÂ²	47.6 ft-lb/inÂ²	80*10*4; ISO 180/1U
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 Âµm/m-Â°C	27.8 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
	50.0 Âµm/m-Â°C	27.8 Âµin/in-Â°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
CTE, linear, Transverse to Flow	50.0 Âµm/m-Â°C	27.8 Âµin/in-Â°F	ASTM E 831
	@Temperature -40.0 - 40.0 Â°C	@Temperature -40.0 - 104 Â°F	
	50.0 Âµm/m-Â°C	27.8 Âµin/in-Â°F	

Thermal Properties	Metric @ Temperature -40.0 - 40.0 Â°C	English @ Temperature -40.0 - 104 Â°F	Comments ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	124 Â°C	255 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	125 Â°C @Thickness 3.20 mm	257 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Flammability, UL94	V-1 @Thickness 2.50 mm	V-1 @Thickness 0.0984 in	UL 94

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 - 1.00e+10 ohm-cm	1.00e+6 - 1.00e+10 ohm-cm	ASTM D257
Surface Resistance	1.00e+6 - 1.00e+10 ohm	1.00e+6 - 1.00e+10 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China