

## SABIC Innovative Plastics LNP STAT-KON DX04462C PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP STAT-KON\* DX04462C is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Clean Compounding System, Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-DX04462C-PC.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DX04462C-PC.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ASTM D792
	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	53.0 MPa	7690 psi	ASTM D638
	53.0 MPa	7690 psi	ISO 527
Elongation at Break	5.7 %	5.7 %	ISO 527
	7.4 %	7.4 %	ASTM D638
Tensile Modulus	2.47 GPa	358 ksi	50 mm/min; ASTM D638
	2.56 GPa	371 ksi	1 mm/min; ISO 527
Flexural Strength	96.0 MPa	13900 psi	ASTM D790
	98.0 MPa	14200 psi	ISO 178
Flexural Modulus	2.71 GPa	393 ksi	ASTM D790
	2.72 GPa	395 ksi	ISO 178

Izod Impact, Notched Mechanical Properties	0.480 J/cm Metric	0.899 ft-lb/in English	ASTM D256 Comments
Izod Impact, Unnotched	6.78 J/cm	12.7 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	68.0 kJ/m <sup>2</sup>	32.4 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 Åµm/m-Å°C	35.0 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
	63.5 Åµm/m-Å°C	35.3 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
CTE, linear, Transverse to Flow	61.2 Åµm/m-Å°C	34.0 Åµin/in-Å°F	ASTM E 831
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	62.5 Åµm/m-Å°C	34.7 Åµin/in-Å°F	ISO 11359-2
	@Temperature -40.0 - 40.0 Å°C	@Temperature -40.0 - 104 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	128 Å°C	262 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	137 Å°C @Thickness 3.20 mm	279 Å°F @Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	139 Å°C	282 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+6 - 1.00e+9 ohm	1.00e+6 - 1.00e+9 ohm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

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