

## SABIC Innovative Plastics LNP STAT-KON DD0009PC PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

LNP STAT-KON\* DD0009PC is a compound based on Polycarbonate resin containing Carbon Powder, Flame Retardant. Added features of this material include: Electrically Conductive.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-DD0009PC-PC-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DD0009PC-PC-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in <sup>3</sup>	ASTM D792
Moisture Absorption	0.0600 %	0.0600 %	23 <sup>o</sup> C / 50% RH; ISO 62
	0.170 %	0.170 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0066 cm/cm	0.0066 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0055 cm/cm	0.0055 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 MPa	6670 psi	ISO 527
	50.0 MPa	7250 psi	ASTM D638
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527
	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	10.8 %	10.8 %	ASTM D638
	11.3 %	11.3 %	ISO 527
Elongation at Yield	4.7 %	4.7 %	ISO 527
	4.9 %	4.9 %	ASTM D638
Tensile Modulus	2.61 GPa	379 ksi	1 mm/min; ISO 527
	2.64 GPa	383 ksi	50 mm/min; ASTM D638
Flexural Strength	95.0 MPa	13800 psi	ASTM D790
	95.0 MPa	13800 psi	ISO 178
Flexural Modulus	2.57 GPa	373 ksi	ASTM D790

Mechanical Properties	Metric <sup>Pa</sup>	English	Comments
Izod Impact, Notched	2.79 J/cm	5.23 ft-lb/in	ASTM D256
Izod Impact, Unnotched	21.6 J/cm	40.5 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>Å</sup> ²	4.76 ft-lb/in <sup>Å</sup> ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	131 kJ/m <sup>Å</sup> ²	62.3 ft-lb/in <sup>Å</sup> ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	37.0 J	27.3 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	65.0 J	47.9 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	140 Å°C @Thickness 3.20 mm	284 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	126 Å°C @Thickness 3.20 mm	259 Å°F @Thickness 0.126 in	Flatw 80*10*4 sp=64mm; ISO 75/Af unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	6.50e+10 ohm	6.50e+10 ohm	ASTM D257

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