

## SABIC Innovative Plastics LNP STAT-KON DD200C PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

**Material Notes:**

PTFE free polycarbonate compounds with ESD safety and good lubricating performance , suitable for Semiconductor and Hard Disk Drive (HDD) and semicon industry. Added features of this material include: Good cleanliness control, low LPC, low ionic, and low outgassing.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-STAT-KON-DD200C-PC-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DD200C-PC-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 MPa	6670 psi	Type I, 5 mm/min; ASTM D638
	53.0 MPa	7690 psi	5 mm/min; ISO 527
Tensile Strength, Yield	53.0 MPa	7690 psi	Type I, 5 mm/min; ASTM D638
	53.0 MPa	7690 psi	5 mm/min; ISO 527
Elongation at Break	10 %	10 %	Type I, 5 mm/min; ASTM D638
	10 %	10 %	5 mm/min; ISO 527
Elongation at Yield	5.2 %	5.2 %	5 mm/min; ISO 527
	5.3 %	5.3 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.34 GPa	339 ksi	1 mm/min; ISO 527
	2.40 GPa	348 ksi	5 mm/min; ASTM D638
Flexural Strength	87.0 MPa	12600 psi	ASTM D790
Flexural Yield Strength	87.0 MPa	12600 psi	2 mm/min; ISO 178
Flexural Modulus	2.20 GPa	319 ksi	ASTM D790
	2.38 GPa	345 ksi	2 mm/min; ISO 178
Izod Impact, Notched	1.15 J/cm	2.15 ft-lb/in	ASTM D256
Izod Impact, Unnotched			ASTM D4812

Mechanical Properties	18.0 J/cm Metric	33.7 ft-lb/in English	Comments
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	90.0 kJ/m <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
Charpy Impact Unnotched	9.20 J/cm <sup>2</sup>	43.8 ft-lb/in <sup>2</sup>	ISO 179/2C
Charpy Impact, Notched	0.900 J/cm <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	138 Â°C @Thickness 3.20 mm	280 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	125 Â°C @Thickness 3.20 mm	257 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1e+05 - 1.00e+9 ohm	1e+05 - 1.00e+9 ohm	ASTM D257
Static Decay	0.10 sec	0.10 sec	5000V to <50V; FTMS101B

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