

SABIC Innovative Plastics LNP STAT-KON DX10315C PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Stat-Kon* DX10315C is carbon fiber filled polycarbonate composite with good stiffness, good flow ability, ESD safety, and high level of cleanliness for the most demanding application. This compound is manufactured using LNP CCS Technology.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DX10315C-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	SABIC Method
Melt Index of Compound	31 g/10 min @Load 5.00 kg, Temperature 300 Â°C	31 g/10 min @Load 11.0 lb, Temperature 572 Â°F	MVR [cm^3/10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.7 %	2.7 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	10.81 GPa	1568 ksi	5 mm/min; ASTM D638
Flexural Strength	211 MPa	30600 psi	ASTM D790
Flexural Modulus	9.04 GPa	1310 ksi	ASTM D790
Izod Impact, Notched	0.770 J/cm	1.44 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.88 J/cm	11.0 ft-lb/in	ASTM D4812

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

Electrical Properties	Metric	English	Comments
Surface Resistance	1000 ohm - 1e+05	1000 ohm - 1e+05	ASTM D257

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