SABIC Innovative Plastics LNP STAT-KON FX98500C PE (Asia Pacific)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

LNP* Stat-kon* FX98500C is a compound based on Polyethylene resin containing Carbon Powder. 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-FX98500C-PE-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/inÂ³	ISO 1183
	0.976 g/cc	0.0353 lb/inÂ³	ASTM D792
Moisture Absorption	0.0200 %	0.0200 %	50% RH, 24 hrs; ASTM D570
	0.0200 %	0.0200 %	23Â°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	>= 0.020 cm/cm @Time 86400 sec	>= 0.020 in/in @Time 24.0 hour	ASTM D955
	>= 0.020 cm/cm @Time 86400 sec	>= 0.020 in/in @Time 24.0 hour	ISO 294
Linear Mold Shrinkage, Transverse	0.020 - 0.040 cm/cm @Time 86400 sec	0.020 - 0.040 in/in @Time 24.0 hour	ASTM D955
	0.020 - 0.040 cm/cm @Time 86400 sec	0.020 - 0.040 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.0 MPa	1890 psi	ASTM D638
	14.0 MPa	2030 psi	ISO 527
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
	23.0 MPa	3340 psi	ISO 527
Elongation at Break	43.2 %	43.2 %	ASTM D638
	82.8 %	82.8 %	ISO 527
Elongation at Yield	14 %	14 %	ISO 527
	15.8 %	15.8 %	ASTM D638

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.870 GPa	126 ksi	1 mm/min; ISO 527
	1.07 GPa	155 ksi	50 mm/min; ASTM D638
Flexural Strength	26.0 MPa	3770 psi	ASTM D790
	27.0 MPa	3920 psi	ISO 178
Flexural Modulus	0.870 GPa	126 ksi	ASTM D790
	0.930 GPa	135 ksi	ISO 178
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/mÂ²	2.38 ft-lb/inÂ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	80*10*4; ISO 180/1U
Dart Drop, Total Energy	21.0 J	15.5 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
Impact Test	63.0 J	46.5 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	48.0 Â°C	118 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	46.0 Â°C @Thickness 3.20 mm	115 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm - 1e+05	100 ohm-cm - 1e+05	ASTM D257
Surface Resistance	100 ohm - 1e+05	100 ohm - 1e+05	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China