

SABIC Innovative Plastics LNP STAT-LOY 63000CT PC+POLYESTER (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

A permanent antistatic PC-Alloy compound that features transparency and superior cleanliness for advanced semiconductor packaging applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-LOY-63000CT-PCPOLYESTER-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ASTM D792
Moisture Absorption	0.700 %	0.700 %	23 ^o C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	SABIC Method
Melt Flow	16 g/10 min @Load 2.16 kg, Temperature 260 ^o C	16 g/10 min @Load 4.76 lb, Temperature 500 ^o F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	5 mm/min; ISO 527
	35.0 MPa	5080 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	140 %	140 %	5 mm/min; ISO 527
	200 %	200 %	Type I, 10 mm/min; SABIC - Japan Method
Tensile Modulus	1.16 GPa	168 ksi	50 mm/min; ASTM D638
	1.18 GPa	171 ksi	1 mm/min; ISO 527
Flexural Strength	50.0 MPa	7250 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.14 GPa	165 ksi	2 mm/min; ISO 178
	1.16 GPa	168 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	5.80 J/cm	10.9 ft-lb/in	ASTM D256
Charpy Impact, Notched	6.90 J/cm ²	32.8 ft-lb/in ²	ISO 179/2C

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	83.0 Å°C @Thickness 6.40 mm	181 Å°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.0 Å°C	154 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	73.0 Å°C @Thickness 6.40 mm	163 Å°F @Thickness 0.252 in	unannealed; ASTM D648

Optical Properties	Metric	English	Comments
Haze	10 % @Thickness 2.54 mm	10 % @Thickness 0.100 in	ASTM D1003
Transmission, Visible	81 %	81 %	2.54 mm; ASTM D1003

Electrical Properties	Metric	English	Comments
Volume Resistivity	12 ohm-cm	12 ohm-cm	ASTM D257
Surface Resistance	12 ohm	12 ohm	ASTM D257
Static Decay	2.0 sec	2.0 sec	5000V to <50V; FTMS101B

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