

SABIC Innovative Plastics LNP STAT-KON DX02437 PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP Stat-Kon DX02437 is a compound based on Polycarbonate resin containing conductive carbon powder, with good impact-resistance, flow and ESD performance, suitable for semi-con industry.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DX02437-PC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.236 g/cc	0.04465 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0064 cm/cm	0.0064 in/in	SABIC Method
	@Thickness 1.50 - 3.20 mm	@Thickness 0.0591 - 0.126 in	
Linear Mold Shrinkage, Transverse	0.0068 cm/cm	0.0068 in/in	SABIC Method
	@Thickness 1.50 - 3.20 mm	@Thickness 0.0591 - 0.126 in	
Melt Index of Compound	16 g/10 min @Load 5.00 kg, Temperature 300 Â°C	16 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	47.0 MPa	6820 psi	Type I, 5 mm/min; ASTM D638
	47.0 MPa	6820 psi	5 mm/min; ISO 527
Tensile Strength, Yield	58.0 MPa	8410 psi	Type I, 5 mm/min; ASTM D638
	58.0 MPa	8410 psi	5 mm/min; ISO 527
Elongation at Break	7.8 %	7.8 %	Flexural Strain, break, 2 mm/min; ISO 178
	16.5 %	16.5 %	5 mm/min; ISO 527
	19.3 %	19.3 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.55 GPa	370 ksi	1 mm/min; ISO 527
	2.56 GPa	371 ksi	5 mm/min; ASTM D638
Flexural Strength	90.0 MPa	13100 psi	2 mm/min; ISO 178
Flexural Yield Strength	92.0 MPa	13300 psi	2 mm/min; ISO 178
Flexural Modulus	2.55 GPa	370 ksi	2 mm/min; ISO 178

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched	2.94 J/cm	5.51 ft-lb/in	ASTM D256
	@Temperature 0.000 Â°C	@Temperature 32.0 Â°F	
Izod Impact, Unnotched	21.4 J/cm	40.1 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	24.0 kJ/mÂ²	11.4 ft-lb/inÂ²	80*10*4; ISO 180/1A
	20.0 kJ/mÂ²	9.52 ft-lb/inÂ²	80*10*4; ISO 180/1A
	@Temperature 0.000 Â°C	@Temperature 32.0 Â°F	
Izod Impact, Unnotched (ISO)	130 kJ/mÂ²	61.9 ft-lb/inÂ²	80*10*4; ISO 180/1U
Charpy Impact Unnotched	9.50 J/cmÂ²	45.2 ft-lb/inÂ²	Edgew 80*10*4 sp=62mm; ISO 179/1eU
Charpy Impact, Notched	2.60 J/cmÂ²	12.4 ft-lb/inÂ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
Dart Drop, Total Energy	27.0 J	19.9 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763
	39.0 J	28.8 ft-lb	ASTM D3763
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
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)	126 Â°C	259 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	111 Â°C	232 Â°F	ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Vicat Softening Point	144 Â°C	291 Â°F	Rate A/50; ASTM D1525
	144 Â°C	291 Â°F	Rate A/50; ISO 306

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.41e+7 ohm-cm	1.41e+7 ohm-cm	ASTM D257
Surface Resistance	4.80e+7 ohm	4.80e+7 ohm	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