

SABIC Innovative Plastics LNP STAT-KON DE0069F PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* STAT-KON* DE0069F is a compound based on Polycarbonate resin containing 30% Carbon Fiber. Added features of this material include: Electrically Conductive, Flame Retardant, Superior Molding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DE0069F-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Moisture Absorption	0.0700 %	0.0700 %	50% RH, 24 hrs; ASTM D570
	0.130 %	0.130 %	23 ^o C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.00010 - 0.00030 cm/cm	0.00010 - 0.00030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	137 MPa	19900 psi	5 mm/min; ISO 527
	146 MPa	21200 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	146 MPa	21200 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.2 %	1.2 %	5 mm/min; ISO 527
	1.6 %	1.6 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	1.2 %	1.2 %	5 mm/min; ISO 527
	1.6 %	1.6 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	16.67 GPa	2418 ksi	1 mm/min; ISO 527
	17.32 GPa	2512 ksi	50 mm/min; ASTM D638
Flexural Strength	212 MPa	30700 psi	1.3 mm/min, 50 mm span; ASTM D790

Mechanical Properties	Metric	English	Comments
Flexural Modulus	14.56 GPa	2112 ksi	2 mm/min; ISO 178
	14.64 GPa	2123 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.520 J/cm	0.974 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.64 J/cm	8.69 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	24.0 kJ/m ²	11.4 ft-lb/in ²	80*10*4; ISO 180/1U
Dart Drop, Total Energy	10.0 J @Temperature 23.0 Â°C	7.38 ft-lb @Temperature 73.4 Â°F	ASTM D3763
Impact Test	2.00 J	1.48 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	7.00 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	3.89 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	7.00 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	3.89 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	148 Â°C	298 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	146 Â°C @Thickness 3.20 mm	295 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 Â°C	289 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	142 Â°C @Thickness 3.20 mm	288 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.0 - 4.0 ohm	1.0 - 4.0 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