

SABIC Innovative Plastics LNP STAT-KON DEL359EF PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* STAT-KON* DEL359EF is a compound based on Polycarbonate containing 25% Carbon Fiber, 15% PTFE. Added features include:
Flame Retardant. Electrically Conductive, Wear Resistant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DEL359EF-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Moisture Absorption	0.0500 %	0.0500 %	50% RH, 24 hrs; ASTM D570
	0.110 %	0.110 %	23Â°C / 50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Time 86400 sec	0.0010 - 0.0030 in/in @Time 24.0 hour	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 - 0.0050 cm/cm @Time 86400 sec	0.0030 - 0.0050 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	5 mm/min; ISO 527
	141 MPa	20500 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	135 MPa	19600 psi	5 mm/min; ISO 527
	141 MPa	20500 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	1.0 %	1.0 %	5 mm/min; ISO 527
	1.3 %	1.3 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	1.0 %	1.0 %	5 mm/min; ISO 527
	1.3 %	1.3 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	19.79 GPa	2870 ksi	1 mm/min; ISO 527
	24.34 GPa	3530 ksi	50 mm/min; ASTM D638
Flexural Strength	201 MPa	29200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Yield Strength	199 MPa	28900 psi	1.3 mm/min, 50 mm span; ASTM D790

Flexural Modulus Mechanical Properties	Metric	English	Comments
	15.17 GPa	2200 ksi	2 mm/min; ISO 178
Izod Impact, Notched	0.730 J/cm	1.37 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.37 J/cm	8.19 ft-lb/in	ASTM D4812
Izod Impact, Notched (ISO)	6.00 kJ/mÂ²	2.86 ft-lb/inÂ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	27.0 kJ/mÂ²	12.8 ft-lb/inÂ²	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	6.00 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	3.33 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
CTE, linear, Transverse to Flow	1.00 Âµm/m-Â°C @Temperature -30.0 - 30.0 Â°C	0.556 Âµin/in-Â°F @Temperature -22.0 - 86.0 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	144 Â°C	291 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
	142 Â°C @Thickness 3.20 mm	288 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	139 Â°C	282 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	137 Â°C @Thickness 3.20 mm	279 Â°F @Thickness 0.126 in	unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.0 - 3.0 ohm	1.0 - 3.0 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