

SABIC Innovative Plastics LNP STAT-KON DE0026E PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Stat-kon* DE0026E is a compound based on Polycarbonate resin containing Flame Retardant, Carbon Fiber. Added features of this material include: Electrically Conductive, Flame Retardant.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DE0026E-PC-Europe-Africa-Middle-East.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	117 MPa	17000 psi	5 mm/min; ISO 527
Elongation at Yield	2.7 %	2.7 %	5 mm/min; ISO 527
Tensile Modulus	8.00 GPa	1160 ksi	1 mm/min; ISO 527
Flexural Yield Strength	182 MPa	26400 psi	2 mm/min; ISO 178
Flexural Modulus	10.9 GPa	1580 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Åµm/m-Å°C	10.0 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
CTE, linear, Transverse to Flow	74.0 Åµm/m-Å°C	41.1 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	143 Å°C	289 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	140 Å°C	284 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	100 - 1.00e+6 ohm	100 - 1.00e+6 ohm	ASTM D257

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