

SABIC Innovative Plastics LNP STAT-KON DEL36 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* STATKON* DEL36 is a compound based on Polycarbonate resin containing Carbon Fiber, PTFE. Added features include: Electrically Conductive, Internally Lubricated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-DEL36-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	169 MPa	24500 psi	5 mm/min; ISO 527
Elongation at Break	1.6 %	1.6 %	5 mm/min; ISO 527
Tensile Modulus	15.8 GPa	2290 ksi	1 mm/min; ISO 527
Flexural Yield Strength	194 MPa	28100 psi	2 mm/min; ISO 178
Flexural Modulus	13.4 GPa	1940 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m ²	14.3 ft-lb/in ²	80*10*4; ISO 180/1U

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	53.0 Åµm/m-Å°C	29.4 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Å°C	@Temperature 73.4 - 140 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	135 Å°C	275 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
Surface Resistance	10 - 1000 ohm	10 - 1000 ohm	ASTM D257

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