

SABIC Innovative Plastics LNP STAT-KON RC008 PA 66 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

LNP* Stat-kon* RC008 is a compound based on Nylon 66 resin containing Carbon Fiber. Added features of this material include: Electrically Conductive.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-STAT-KON-RC008-PA-66-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	260 MPa	37700 psi	5 mm/min; ISO 527
Elongation at Break	1.5 %	1.5 %	5 mm/min; ISO 527
Tensile Modulus	27.4 GPa	3970 ksi	1 mm/min; ISO 527
Flexural Strength	358 MPa	51900 psi	2 mm/min; ISO 178
Flexural Modulus	23.3 GPa	3380 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
Izod Impact, Unnotched (ISO)	56.0 kJ/m ²	26.6 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	7.00 µm/m-°C	3.89 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
CTE, linear, Transverse to Flow	78.0 µm/m-°C	43.3 µin/in-°F	ISO 11359-2
	@Temperature 23.0 - 60.0 °C	@Temperature 73.4 - 140 °F	
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	

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

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