

LNP* Stat-Kon* RX06001

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* Stat-kon* RX06001 is a compound based on Nylon 66 resin containing Carbon Fiber. Added features of this material include: Easy Molding, High Impact, Electrically Conductive.

Also known as: LNP* Stat-Kon* Compound RC1002EMHI

Product reorder name: RX06001

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Stat-Kon*
Availability	• Europe
Filler / Reinforcement	• Carbon Fiber Reinforcement
Features	• Electrically Conductive • Good Moldability • High Impact Resistance
RoHS Compliance	• RoHS Compliant

Physical	Nominal Value Unit	Test Method
Density	1.16 g/cm ³	ISO 1183
Molding Shrinkage - Flow ³	0.30 to 0.50 %	Internal Method
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	8300 MPa	ISO 527-2/1
Tensile Stress		ISO 527-2/5
Yield	82.0 MPa	
Break	135 MPa	
Tensile Strain		ISO 527-2/5
Yield	2.0 %	
Break	3.5 %	
Flexural Modulus ⁴	6000 MPa	ISO 178
Flexural Strength ⁴		ISO 178
-- ⁵	182 MPa	
-- ⁶	173 MPa	
Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁷ (23°C)	11 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁷ (23°C)	50 kJ/m ²	ISO 180/1U
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁸		
0.45 MPa, Unannealed, 64.0 mm Span	249 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	220 °C	ISO 75-2/Af
CLTE		ISO 11359-2
Flow: 23 to 60°C	0.000023 cm/cm/°C	
Transverse: 23 to 60°C	0.00011 cm/cm/°C	
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+4 to 1.0E+5 ohm	ASTM D257

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Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Tensile Bar

⁴ 2.0 mm/min

⁵ Yield

⁶ Break

⁷ 80*10*4

⁸ 80*10*4 mm

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SABIC Innovative Plastics Europe

Where to Buy

Supplier

SABIC Innovative Plastics Europe

, Netherlands

Telephone: +36-1-238-5060

Web: <http://www.sabic-ip.com/>

Distributor

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

Telephone: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

Availability: Europe



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– Birgit Elvardt Bader, Production Manager, Micotron

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– Kevin Chase, Owner & President, Chase Plastics



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