

LNP* Stat-Kon* RX04031

Polyamide 66

SABIC Innovative Plastics Europe



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Technical Data

Product Description

LNP* STAT-KON* RX04031 is a compound based on PA66 resin containing Carbon Fiber, Glass Fiber, Flame Retardant. Added features include: Non-Brominated & Non-Chlorinated Flame Retardant, Electrically Conductive, Easy Molding.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E45329-101282766
Search for UL Yellow Card	• SABIC Innovative Plastics Europe • LNP* Stat-Kon*
Availability	• Europe
Filler / Reinforcement	• Glass\Carbon Fiber Reinforcement
Features	• Bromine Free • Chlorine Free • Electrically Conductive • Flame Retardant • Good Moldability
RoHS Compliance	• RoHS Compliant
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.47 g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 %	Internal Method
Mechanical	Nominal Value Unit	Test Method
Tensile Stress (Break)	184 MPa	ISO 527-2/5
Tensile Strain (Break)	2.0 %	ISO 527-2/5
Flexural Modulus ⁴	15000 MPa	ISO 178
Flexural Strength ^{4, 5}	264 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength ⁶ (23°C)	9.0 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁶ (23°C)	63 kJ/m ²	ISO 180/1U
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature ⁷ 1.8 MPa, Unannealed, 64.0 mm Span	218 °C	ISO 75-2/Af
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+4 ohm	ASTM D257
Flammability	Nominal Value Unit	Test Method
Flame Rating (0.800 mm)	V-0	UL 94
Glow Wire Flammability Index (1.60 mm)	960 °C	IEC 60695-2-12
Injection	Nominal Value Unit	
Drying Temperature	82.2 °C	
Drying Time	4.0 hr	
Suggested Max Moisture	0.15 to 0.25 %	
Rear Temperature	249 to 260 °C	
Middle Temperature	254 to 266 °C	
Front Temperature	260 to 271 °C	
Processing (Melt) Temp	266 to 277 °C	
Mold Temperature	60.0 to 98.9 °C	
Back Pressure	0.172 to 0.344 MPa	
Screw Speed	30 to 60 rpm	

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 A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.
- ³ Typical properties: these are not to be construed as specifications.
- ⁴ 2.0 mm/min
- ⁵ Break
- ⁶ 80*10*4
- ⁷ 80*10*4 mm

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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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"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"

– Birgit Elvardt Bader, Production Manager, Micotron

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Alternative Resins Search – find replacement plastics within minutes.

Automotive Plastics Search – easily locate automotive approved plastics.

Curve Data – view, overlay and export curve data.



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– Kevin Chase, Owner & President, Chase Plastics



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