

LNP* Verton* RX06424

Polyamide 66

SABIC Innovative Plastics



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Technical Data

Product Description

LNP VERTON* RX06424 is a compound based on Nylon 66 resin containing Long Glass. Added features of this material include: Easy Molding.

Also known as: LNP* Verton* Compound RF-700-12 EM HS UV
Product reorder name: RX06424

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics • LNP* Verton*
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber
Features	• Good Moldability
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.71 g/cm ³	ISO 1183 ASTM D792
Molding Shrinkage		
Flow: 24 hr	0.20 %	ASTM D955 ISO 294-4
Across Flow: 24 hr	0.40 %	ASTM D955
Across Flow: 24 hr	0.41 %	ISO 294-4
Water Absorption (24 hr, 50% RH)	0.44 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus		
-- ³	19700 MPa	ASTM D638
--	23300 MPa	ISO 527-2/1
Tensile Strength		
Break	270 MPa	ASTM D638
Break	261 MPa	ISO 527-2
Tensile Elongation (Break)	1.6 %	ASTM D638 ISO 527-2
Flexural Modulus		
--	18000 MPa	ASTM D790
--	18900 MPa	ISO 178
Flexural Strength		
--	430 MPa	ASTM D790
--	433 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Notched Izod Impact		
23°C	410 J/m	ASTM D256
-40°C ⁴	43 kJ/m ²	ISO 180/1A
23°C ⁴	54 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	100 kJ/m ²	ISO 180/1U
Instrumented Dart Impact		
23°C, Energy at Peak Load	18.0 J	ASTM D3763
--	18.0 J	ISO 6603-2

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Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		
0.45 MPa, Unannealed, 64.0 mm Span ⁵	252 °C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	247 °C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	252 °C	ISO 75-2/Af
CLTE		
Flow: -40 to 40°C	0.000018 cm/cm/°C	ASTM E831
Flow: -40 to 40°C	0.000017 cm/cm/°C	ISO 11359-2
Transverse: -40 to 40°C	0.000054 cm/cm/°C	ASTM E831
Transverse: -40 to 40°C	0.000053 cm/cm/°C	ISO 11359-2
Injection	Nominal Value Unit	
Drying Temperature	82.2 °C	
Drying Time	4.0 hr	
Suggested Max Moisture	0.15 to 0.25 %	
Rear Temperature	282 to 293 °C	
Middle Temperature	288 to 299 °C	
Front Temperature	288 to 299 °C	
Processing (Melt) Temp	288 to 304 °C	
Mold Temperature	93.3 to 110 °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 Typical properties: these are not to be construed as specifications.

³ 50 mm/min

⁴ 80*10*4

⁵ 80*10*4 mm

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Where to Buy

Supplier

SABIC Innovative Plastics

Pittsfield, MA USA

Telephone: 800-845-0600

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

Distributor

Nexeo Solutions

Telephone: 800-531-7106

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

Availability: North America



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– Kevin Chase, Owner & President, Chase Plastics



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