LNP* Verton* RX06422

Polyamide 66

SABIC Innovative Plastics

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Technical Data

Product Description

LNP VERTON* RX06422 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-700-10 EM HS UV
Product reorder name: RX06422

General

Material Status	• Commercial: Active
Literature [1]	• Technical Datasheet
UL Yellow Card [2]	• E121562-101343447 • E45195-236034
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
Specific Gravity	1.58	g/cm³	ASTM D792 ISO 1183
Molding Shrinkage			ASTM D955 ISO 294-4
Flow: 24 hr	0.18	%	
Across Flow: 24 hr	0.22	%	
Water Absorption (24 hr, 50% RH)	0.0098	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
-- [4]	16900	MPa	ASTM D638
--	18400	MPa	ISO 527-2/1
Tensile Strength			
Break	254	MPa	ASTM D638
Break	256	MPa	ISO 527-2
Tensile Elongation (Break)	1.9	%	ASTM D638 ISO 527-2
Flexural Modulus			
--	14200	MPa	ASTM D790
--	15600	MPa	ISO 178
Flexural Strength			
--	374	MPa	ASTM D790
--	371	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C	380	J/m	ASTM D256
-40°C [5]	39	kJ/m²	ISO 180/1A
23°C [5]	45	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength [5] (23°C)	89	kJ/m²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	15.0	J	ASTM D3763
--	15.0	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 [6]	258	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	241	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span [6]	253	°C	ISO 75-2/Af
CLTE			ASTM E831 ISO 11359-2
Flow: -40 to 40°C	0.000019	cm/cm/°C	
Transverse: -40 to 40°C	0.000067	cm/cm/°C	

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] 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] 50 mm/min

[5] 80*10*4

[6] 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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