

LNP™ VERTON™ RX89047 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP VERTON RX89047 is a compound based on Nylon 66 resin containing Proprietary Fillers. Added feature of this grade is: Structural.

Also known as: LNP* VERTON* Compound PDX-R-89047

Product reorder name: RX89047

General Information			
Filler / Reinforcement	Proprietary		
Uses	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.42	g/cm ³	ASTM D792
--	1.41	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	11400	MPa	ASTM D638
Tensile Strength			
Break	202	MPa	ASTM D638
Break	198	MPa	ISO 527-2
Tensile Elongation			
Break	2.3	%	ASTM D638
Break	200	%	ISO 527-2
Flexural Modulus			
--	9650	MPa	ASTM D790
--	9500	MPa	ISO 178
Flexural Strength	317	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	360	J/m	ASTM D256
23°C ²	24	kJ/m ²	ISO 180/1A
Unnotched Izod Impact (23°C)	1000	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	253	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ³	251	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	

Rear Temperature	266 to 277	°C
Middle Temperature	282 to 293	°C
Front Temperature	293 to 304	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	93.3 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

1. 50 mm/min
2. 80*10*4
3. 80*10*4 mm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

