

LNP™ VERTON™ RV00AES compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP VERTON® RV00AES 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
Product reorder name: RV00AES

General Information			
Filler / Reinforcement	Long glass fiber		
Features	Good formability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow: 24 hours	0.18	%	ASTM D955
Transverse flow: 24 hours	0.22	%	ASTM D955
Vertical flow direction: 24 hours	0.22	%	ISO 294-4
Flow direction: 24 hours	0.18	%	ISO 294-4
Water Absorption (24 hr, 50% RH)	9.8E-3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	17500	MPa	ASTM D638
--	18400	MPa	ISO 527-2/1
Tensile Strength			
Fracture	254	MPa	ASTM D638
Fracture	265	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 ²	39	kJ/m ²	ISO 180/1A
23°C ³	45	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	89	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			

23°C, Energy at Peak Load	15.0	J	ASTM D3763
--	15.0	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, unannealed, 64.0mm span ⁵	258	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 3.20mm	241	°C	ASTM D648
1.8 MPa, unannealed, 64.0mm span ⁶	253	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ASTM E831, ISO 11359-2
Flow: -40 to 40°C	1.9E-5	cm/cm/°C	ASTM E831, ISO 11359-2
Lateral: -40 to 40°C	6.7E-5	cm/cm/°C	ASTM E831, ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 - 0.25	%	
Rear Temperature	282 - 293	°C	
Middle Temperature	288 - 299	°C	
Front Temperature	288 - 299	°C	
Processing (Melt) Temp	288 - 304	°C	
Mold Temperature	93.3 - 110	°C	
Back Pressure	0.172 - 0.344	MPa	
Screw Speed	30 - 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		
6.	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



WECHAT