

LNP™ VERTON™ RV00CE compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP VERTON* RV00CE 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

Product reorder name: RV00CE

General Information			
Filler / Reinforcement	Long Glass Fiber		
Features	Good Moldability		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.41	%	
Flow : 24 hr	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	23300	MPa	ISO 527-2/1
Tensile Stress (Break)	261	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	18900	MPa	ISO 178
Flexural Stress	433	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹			ISO 180/1A
-40°C	43	kJ/m ²	
23°C	54	kJ/m ²	
Unnotched Izod Impact Strength ² (23°C)	100	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	252	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : -40 to 40°C	1.7E-5	cm/cm/°C	
Transverse : -40 to 40°C	5.3E-5	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

NOTE

1. 80*10*4
2. 80*10*4
3. 80*10*4 mm

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Recommended distributors for this material

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