

LNP™ VERTON™ RV008ES compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP VERTON RV008ES is a compound based on Nylon 66 resin containing Long Glass Fiber. Added features of this material include: Easy Molding, Heat Stabilized.
Also known as: LNP* VERTON* Compound RF7008EMHS
Product reorder name: RV008ES

General Information			
Filler / Reinforcement	Long glass fiber		
Additive	heat stabilizer		
Features	Good formability		
	Thermal Stability		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 - 0.40	%	Internal method
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ISO 527-2/1
Tensile Stress (Yield)	230	MPa	ISO 527-2/5
Tensile Strain (Break)	3.1	%	ISO 527-2/5
Flexural Modulus ¹	10500	MPa	ISO 178
Flexural Stress	308	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	29	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	70	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, unannealed, 64.0mm span	258	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	255	°C	ISO 75-2/Af
Linear thermal expansion coefficient			ISO 11359-2
Flow: 23 to 60°C	1.8E-5	cm/cm/°C	ISO 11359-2
Lateral: 23 to 60°C	1.0E-4	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 - 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. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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