

LNP™ VERTON™ RV00CESS compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP VERTON* RV00CESS is a compound based on PA 66 resin containing Long Glass Fiber. Added features include: Easy Molding, Heat Stabilized.
Also known as: LNP* VERTON* Compound RF70012EM
Product reorder name: RV00CESS

General Information			
UL YellowCard	E45329-101344687		
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	1.71	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction: 24 hours	0.80	%	ISO 294-4
Flow direction: 24 hours	0.30	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21600	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	281	MPa	ISO 527-2/5
Fracture	279	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield	1.7	%	ISO 527-2/5
Fracture	1.7	%	ISO 527-2/5
Flexural Modulus ¹	19000	MPa	ISO 178
Flexural Stress	418	MPa	ISO 178
Flexural Strain at Break ²	3.0	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ³ (23°C)	52	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	95	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, unannealed, 64.0mm span	255	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	252	°C	ISO 75-2/Af

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. | 2 mm/min |
| 3. | 80*10*4 |
| 4. | 80*10*4 |
| 5. | 80*10*4 mm |

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