

LNP™ VERTON™ RV007ES compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP VERTON* RV007ES is a compound based on Nylon 66 resin containing 35% Long Glass Fiber. Added features of this material include: Easy Molding, Heat Stabilized, Structural.

Also known as: LNP* VERTON* Compound RF-7007 EM HS

Product Reorder name: RV007ES

General Information			
UL YellowCard	E121562-101282848	E121562-101344709	
Filler / Reinforcement	Long Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Moldability		
	Heat Stabilized		
Uses	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792, ISO 1183
Water Absorption (24 hr, 50% RH)	0.97	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ISO 527-2/1
Tensile Strength			
Break	205	MPa	ASTM D638
Break	214	MPa	ISO 527-2
Tensile Strain (Break)	2.1	%	ISO 527-2
Flexural Modulus			
--	9880	MPa	ASTM D790
--	10200	MPa	ISO 178
Flexural Stress	309	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	280	J/m	ASTM D256
-40°C ¹	25	kJ/m ²	ISO 180/1A
23°C ²	29	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	245	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ³	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 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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