

LNP™ VERTON™ RV00CEXP compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP VERTON RV00CE is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding.

Also known as: LNP* VERTON* Compound RF-700-12 EM

Product reorder name: RV00CEXP

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			Internal Method
Flow	0.26	%	
Across Flow	0.61	%	
Water Absorption			ISO 62
23°C, 24 hr	0.90	%	
Equilibrium, 23°C, 50% RH	1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21600	MPa	ISO 527-2/1
Tensile Stress (Break)	270	MPa	ISO 527-2/5
Tensile Strain (Break)	1.7	%	ISO 527-2/5
Flexural Modulus ¹	19000	MPa	ISO 178
Flexural Stress	430	MPa	ISO 178
Flexural Strain at Break ²	2.6	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³			ISO 180/1A
-40°C	43	kJ/m ²	
23°C	53	kJ/m ²	
Unnotched Izod Impact Strength ⁴ (23°C)	100	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	255	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	252	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.7E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.3E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method

Flame Rating (0.800 mm)	HB	UL 94
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.	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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