

LNP™ VERTON™ RX06097 compound

Polyamide 66

SABIC Innovative Plastics Europe

Message:

LNP VERTON RX06097 is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding, UV-Stabilized.

Also known as: LNP* VERTON* Compound RF70010EMUV

Product reorder name: RX06097

General Information			
Filler / Reinforcement	Long Glass Fiber		
Additive	UV Stabilizer		
Features	Good Moldability		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.76	%	
Flow : 24 hr	0.32	%	
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17600	MPa	ISO 527-2/1
Tensile Stress (Break)	275	MPa	ISO 527-2/5
Tensile Strain (Break)	1.9	%	ISO 527-2/5
Flexural Modulus ¹	15000	MPa	ISO 178
Flexural Stress	366	MPa	ISO 178
Flexural Strain at Break ²	2.8	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	45	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	90	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	260	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	257	°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.	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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