

LNP™ VERTON™ RVL29 compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP VERTON* RVL29 is a compound based on Nylon 66 resin containing 45% Long Glass Fiber, 10% PTFE. Added features of this material include: Wear Resistant, Structural.

Also known as: LNP* VERTON* Compound RFL-8029

Product reorder name: RVL29

General Information			
UL YellowCard	E121562-101344710		
Filler / Reinforcement	Long Glass Fiber,45% Filler by Weight		
Additive	PTFE Lubricant (10%)		
Features	Good Wear Resistance		
	Lubricated		
Uses	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	231	MPa	ISO 527-2
Tensile Strain (Break)	2.3	%	ISO 527-2
Flexural Modulus	14100	MPa	ISO 178
Flexural Stress	362	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.39		
vs. Itself - Static	0.40		
Wear Factor - Washer	21.0	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	29	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (1.8 MPa, Unannealed, 64.0 mm Span)	258	°C	ISO 75-2/Af
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, Testing by SABIC)	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. 80*10*4
2. 80*10*4 mm

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