

LNP™ VERTON™ RVL29 compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP VERTON® RVL29 is a compound based on Nylon 66 resin containing Long Glass Fiber, PTFE. Added features of this material include: Easy Molding.
Also known as: LNP® VERTON® Compound RFL-8029
Product reorder name: RVL29

General Information			
Filler / Reinforcement	Long glass fiber		
Additive	PTFE lubricant		
Features	Good formability		
	Lubrication		
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
With self-dynamics	0.39		ASTM D3702 Modified
With Self-Static	0.40		ASTM D3702 Modified
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 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 - 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.	80*10*4	
2.	80*10*4 mm	

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Recommended distributors for this material


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