



LNP™ VERTON™ Compound RVL29

Americas: COMMERCIAL

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

Product reorder name: RVL29

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.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	231	MPa	ISO 527
Tensile Strain, break	2.3	%	ISO 527
Flexural Stress	362	MPa	ISO 178
Flexural Modulus	14100	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	29	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	258	°C	ISO 75/Af
PHYSICAL			
Wear Factor Washer	21	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.39	-	ASTM D 3702 Modified
Static COF	0.4	-	ASTM D 3702 Modified
Density	1.65	g/cm ³	ISO 1183
FLAME CHARACTERISTICS			
UL Compliant, 94HB Flame Class Rating (3)(4)	1.5	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	290 - 305	°C
Front - Zone 3 Temperature	290 - 300	°C
Middle - Zone 2 Temperature	290 - 300	°C
Rear - Zone 1 Temperature	280 - 295	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm