



LNP™ VERTON™ Compound RX89047

Americas: COMMERCIAL

Also known as: LNP™ VERTON™ Compound PDX-R-89047

Product reorder name: RX89047

LNP VERTON RX89047 is a compound based on Nylon 66 resin containing Proprietary Fillers. Added feature of this grade is: Structural.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	2050	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	116000	kgf/cm ²	ASTM D 638
Flexural Stress	3230	kgf/cm ²	ASTM D 790
Flexural Modulus	98400	kgf/cm ²	ASTM D 790
Tensile Stress, break	198	MPa	ISO 527
Tensile Strain, break	198	%	ISO 527
Flexural Modulus	9500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	103	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	36	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	24	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	253	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	251	°C	ISO 75/Af
PHYSICAL			
Density	1.42	g/cm ³	ASTM D 792
Density	1.41	g/cm ³	ISO 1183



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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	280 - 305	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm