



LNP™ VERTON™ Compound RX06097

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ VERTON™ Compound RF70010EMUV
Product reorder name: RX06097

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	275	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.9	%	ISO 527
Tensile Modulus, 1 mm/min	17600	MPa	ISO 527
Flexural Stress, break, 2 mm/min	366	MPa	ISO 178
Flexural Strain, break, 2 mm/min	2.8	%	ISO 178
Flexural Modulus, 2 mm/min	15000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	90	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	45	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	260	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	257	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.32	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.76	%	ISO 294
Density	1.59	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	1	%	ISO 62-1



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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