



LNP™ VERTON™ Compound MVL36SX0

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ VERTON™ Compound MFXL-8036 HS BLACK

Product reorder name: MVL36SX0

LNP VERTON MVL36SX0 is a compound based on PP resin containing Long Glass Fiber and PTFE. Added features include: Chemically coupled, Heat Stabilized, Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	116	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.2	%	ISO 527
Tensile Modulus, 1 mm/min	8500	MPa	ISO 527
Flexural Stress, break, 2 mm/min	133	MPa	ISO 178
Flexural Modulus, 2 mm/min	6500	MPa	ISO 178
IMPACT			
Multiaxial Impact	50	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	42	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	17	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	163	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	157	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.37	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.73	%	ISO 294
Density	1.28	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.01	%	ISO 62-1





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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	215 - 220	°C
Front - Zone 3 Temperature	205 - 215	°C
Middle - Zone 2 Temperature	200 - 210	°C
Rear - Zone 1 Temperature	195 - 205	°C
Mold Temperature	30 - 50	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

