



LNP™ VERTON™ Compound UV00ASXS

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ VERTON™ Compound UF70010

Product reorder name: UV00ASXS

LNP VERTON UV00ASXS is a compound based on Polyphthalamide resin containing Long Glass Fiber.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	245	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.9	%	ISO 527
Tensile Modulus, 1 mm/min	20400	MPa	ISO 527
Flexural Stress, break, 2 mm/min	417	MPa	ISO 178
Flexural Strain, break, 2 mm/min	2.7	%	ISO 178
Flexural Modulus, 2 mm/min	17700	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	80	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	38	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	297	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	277	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.17	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.41	%	ISO 294
Density	1.63	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.4	%	ISO 62-1



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15	%
Melt Temperature	315 - 330	°C
Front - Zone 3 Temperature	330 - 345	°C
Middle - Zone 2 Temperature	320 - 330	°C
Rear - Zone 1 Temperature	315 - 325	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm