



LNP™ VERTON™ Compound RV00ASXS Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ VERTON™ Compound RF-700-10
Product reorder name: RV00ASXS

LNP* VERTON* RV00ASXS is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Heat Stabilized

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	268	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2	%	ISO 527
Tensile Modulus, 1 mm/min	17600	MPa	ISO 527
Flexural Stress, break, 2 mm/min	405	MPa	ISO 178
Flexural Modulus, 2 mm/min	15500	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	100	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	35	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.4E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	5.4E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	265	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	262	°C	ISO 75/Af
Relative Temp Index, Elec	105	°C	UL 746B
Relative Temp Index, Mech w/impact	110	°C	UL 746B
Relative Temp Index, Mech w/o impact	110	°C	UL 746B
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.24	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.79	%	ISO 294
Density	0.05	lb/in ³	ISO 1183
Water Absorption, 23°C/24hrs	0.8	%	ISO 62-1
ELECTRICAL			
Hot Wire Ignition (PLC)	0	PLC Code	UL 746A
High Ampere Arc Ign, surface (PLC)	0	PLC Code	UL 746A
Comparative Tracking Index	0	V	IEC 60112

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.
(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.
(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.
(6) Needs hard coat to consistently pass 60 sec Vertical Burn.

Source GMD, last updated:

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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
FLAME CHARACTERISTICS			
UL Recognized, 94HB Flame Class Rating (3)	0.029	in	UL 94

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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	180	°F
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	550 - 580	°F
Front - Zone 3 Temperature	550 - 570	°F
Middle - Zone 2 Temperature	550 - 570	°F
Rear - Zone 1 Temperature	540 - 560	°F
Mold Temperature	200 - 230	°F
Back Pressure	25 - 50	psi
Screw Speed	30 - 60	rpm

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