



LNP™ VERTON™ Compound RV00CEXP

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ VERTON™ Compound RF-700-12 EM
Product reorder name: RV00CEXP

LNP VERTON RV00CE is a compound based on PA 66 resin containing Long Glass Fiber. Added features include; Easy Molding.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	270	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.7	%	ISO 527
Tensile Modulus, 1 mm/min	21600	MPa	ISO 527
Flexural Stress, break, 2 mm/min	430	MPa	ISO 178
Flexural Strain, break, 2 mm/min	2.6	%	ISO 178
Flexural Modulus, 2 mm/min	19000	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	53	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -40°C	43	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.7E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	5.3E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	255	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	252	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.26	%	SABIC Method
Mold Shrinkage, xflow (5)	0.61	%	SABIC Method
Density	1.71	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.9	%	ISO 62-1
Moisture Absorption (23°C / 50% RH)	1.1	%	ISO 62
FLAME CHARACTERISTICS			
UL Recognized, 94HB Flame Class Rating (3)	0.8	mm	UL 94



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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