



LNP™ VERTON™ Compound NV003E

Americas: COMMERCIAL

Also known as: LNP™ VERTON™ Compound PCA-F-7003 EM

Product reorder name: NV003E

LNP VERTON NV003E is a compound based on PC+ABS Blend resin containing 15% Long Glass Fiber. Added features of this material include: Easy Molding, Structural.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	112	MPa	ISO 527
Tensile Strain, break	2.5	%	ISO 527
Tensile Modulus, 1 mm/min	5770	MPa	ISO 527
Flexural Stress	162	MPa	ISO 178
Flexural Modulus	5680	MPa	ISO 178
IMPACT			
Instrumented Impact Energy @ peak, 23°C	188	cm-kgf	ASTM D 3763
Izod Impact, notched 80*10*4 +23°C	21	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -40°C	23	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	136	°C	ISO 75/Af
PHYSICAL			
Density	1.25	g/cm ³	ASTM D 792



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80 - 95	°C
Drying Time	2 - 4	hrs
Maximum Moisture Content	0.04	%
Melt Temperature	275 - 290	°C
Front - Zone 3 Temperature	280 - 295	°C
Middle - Zone 2 Temperature	270 - 280	°C
Rear - Zone 1 Temperature	260 - 270	°C
Mold Temperature	60 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm