



LNP™ VERTON™ Compound RV007ES

Americas: COMMERCIAL

Also known as: LNP™ VERTON™ Compound RF-7007 EM HS

Product reorder name: RV007ES

LNP VERTON™ RV007ES is a compound based on Nylon 66 resin containing 35% Long Glass Fiber. Added features of this material include: Easy Molding, Heat Stabilized, Structural.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	2080	kgf/cm ²	ASTM D 638
Flexural Modulus	100700	kgf/cm ²	ASTM D 790
Tensile Stress, break	214	MPa	ISO 527
Tensile Strain, break	2.1	%	ISO 527
Tensile Modulus, 1 mm/min	11970	MPa	ISO 527
Flexural Stress	309	MPa	ISO 178
Flexural Modulus	10240	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	28	cm-kgf/cm	ASTM D 256
Izod Impact, notched 80*10*4 +23°C	29	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -40°C	25	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	245	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	252	°C	ISO 75/Af
PHYSICAL			
Density	1.42	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.97	%	ASTM D 570
Density	1.42	g/cm ³	ISO 1183



LNP™ VERTON™ Compound RV007ES

Americas: COMMERCIAL

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