



LNP™ VERTON™ Compound EV008

Americas: COMMERCIAL

Also known as: LNP™ VERTON™ Compound EXVT0010

Product reorder name: EV008

LNP VERTON EV008 is a compound based on Polyetherimide containing 40% Long Glass Fiber. Added feature of this grade is: Structural.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	1900	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.5	%	ASTM D 638
Tensile Modulus, 5 mm/min	153900	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	2730	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	146800	kgf/cm ²	ASTM D 790
Compressive Strength	282	MPa	SABIC Method
IMPACT			
Izod Impact, unnotched, 23°C	4	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	2	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	206	°C	ASTM D 648
CTE, -30°C to 30°C, flow	1.5E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	4.1E-05	1/°C	ASTM D 696
PHYSICAL			
Specific Gravity	1.6	-	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.1 - 0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.3 - 0.5	%	ASTM D 955



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15	%
Melt Temperature	350 - 360	°C
Front - Zone 3 Temperature	350 - 360	°C
Middle - Zone 2 Temperature	350 - 360	°C
Rear - Zone 1 Temperature	345 - 360	°C
Mold Temperature	150 - 160	°C
Back Pressure	0.3 - 0.4	MPa
Screw Speed	30 - 60	rpm