



LNP™ VERTON™ Compound MV006S

Americas: COMMERCIAL

Also known as: LNP™ VERTON™ Compound MFX-7006 HS

Product reorder name: MV006S

LNP VERTON MV006S is a compound based on Polypropylene resin containing 30% Long Glass Fiber. Added features of this material include: Chemically Coupled, Structural.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1050	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.6	%	ASTM D 638
Flexural Stress	1530	kgf/cm ²	ASTM D 790
Flexural Modulus	61500	kgf/cm ²	ASTM D 790
Tensile Stress, break	105	MPa	ISO 527
Tensile Strain, break	2.6	%	ISO 527
Tensile Modulus, 1 mm/min	7810	MPa	ISO 527
Flexural Stress	153	MPa	ISO 178
Flexural Modulus	6450	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	78	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	16	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	101	cm-kgf	ASTM D 3763
Multiaxial Impact	101	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	49	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	18	kJ/m ²	ISO 180/1A
THERMAL			
CTE, -40°C to 40°C, flow	1.8E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	4.5E-05	1/°C	ASTM E 831
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	158	°C	ISO 75/Af
PHYSICAL			
Density	1.13	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.6	%	ASTM D 955



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PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.26	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.59	%	ISO 294
Wear Factor Washer	44	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.36	-	ASTM D 3702 Modified
Static COF	0.39	-	ASTM D 3702 Modified
Density	1.12	g/cm ³	ISO 1183



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	220 - 250	°C
Front - Zone 3 Temperature	250 - 260	°C
Middle - Zone 2 Temperature	245 - 255	°C
Rear - Zone 1 Temperature	230 - 245	°C
Mold Temperature	40 - 65	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm