



LNP™ VERTON™ Compound MX02795

Americas: COMMERCIAL

Also known as: LNP™ VERTON™ Compound PDX-M-02795

Product reorder name: MX02795

LNP VERTON MX02795 is a compound based on Polypropylene resin containing Proprietary Fillers. Added features of this material include: Heat Stabilized, UV Stabilized, Structural.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1200	kgf/cm ²	ASTM D 638
Tensile Stress, break	1200	kgf/cm ²	ASTM D 638
Tensile Strain, yield	2.2	%	ASTM D 638
Tensile Strain, break	2.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	91300	kgf/cm ²	ASTM D 638
Flexural Stress	1610	kgf/cm ²	ASTM D 790
Flexural Modulus	70300	kgf/cm ²	ASTM D 790
Tensile Stress, yield	111	MPa	ISO 527
Tensile Stress, break	122	MPa	ISO 527
Tensile Strain, yield	2.1	%	ISO 527
Tensile Strain, break	2.1	%	ISO 527
Tensile Modulus, 1 mm/min	9570	MPa	ISO 527
Flexural Stress	184	MPa	ISO 178
Flexural Modulus	7750	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	87	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	27	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	71	cm-kgf	ASTM D 3763
Multiaxial Impact	133	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	52	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	25	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	161	°C	ASTM D 648



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THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	156	°C	ASTM D 648
CTE, -40°C to 40°C, flow	4.46E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	9.34E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	162	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	158	°C	ISO 75/Af
PHYSICAL			
Density	1.21	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.5	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.27	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.53	%	ISO 294
Density	1.19	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