

LNP™ VERTON™ MX02795 compound

Polypropylene
SABIC Innovative Plastics

Message:

LNP VERTON MX02795 is a compound based on Polypropylene resin containing Long Glass Fiber. Added features of this material include: Chemically Coupled, Heat Stabilized, UV Stabilized.
Also known as: LNP* VERTON* Compound PDX-M-02795
Product reorder name: MX02795

General Information			
Filler / Reinforcement	Long glass fiber		
Additive	heat stabilizer		
	UV stabilizer		
Features	Chemical coupling		
	Thermal Stability		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage			
Flow: 24 hours	0.30	%	ASTM D955
Transverse flow: 24 hours	0.50	%	ASTM D955
Vertical flow direction: 24 hours	0.53	%	ISO 294-4
Flow direction: 24 hours	0.27	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	8960	MPa	ASTM D638
Tensile Strength			
Yield	118	MPa	ASTM D638
Yield	111	MPa	ISO 527-2
Fracture	118	MPa	ASTM D638
Tensile Elongation			
Yield	2.2	%	ASTM D638
Yield	2.1	%	ISO 527-2
Fracture	2.2	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	159	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	270	J/m	ASTM D256
Unnotched Izod Impact			
23°C	850	J/m	ASTM D4812
23°C ²	53	kJ/m ²	ISO 180/1U

Instrumented Dart Impact (23°C, Energy at Peak Load)		7.00	J	ASTM D3763
Thermal	Nominal Value		Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, unannealed, 3.20mm	161		°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	156		°C	ASTM D648
NOTE				
1.	50 mm/min			
2.	80*10*4			

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