

LNP™ VERTON™ MX02795 compound

Polypropylene

SABIC Innovative Plastics

Message:

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

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

Product reorder name: MX02795

General Information			
Filler / Reinforcement	Proprietary		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good UV Resistance		
	Heat Stabilized		
Uses	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.21	g/cm ³	ASTM D792
--	1.19	g/cm ³	ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.30	%	ASTM D955
Across Flow : 24 hr	0.50	%	ASTM D955
Across Flow : 24 hr	0.53	%	ISO 294-4
Flow : 24 hr	0.27	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	8960	MPa	ASTM D638
--	9570	MPa	ISO 527-2/1
Tensile Strength			
Yield	118	MPa	ASTM D638
Yield	111	MPa	ISO 527-2
Break	118	MPa	ASTM D638
Break	122	MPa	ISO 527-2
Tensile Elongation			
Yield	2.2	%	ASTM D638
Yield	2.1	%	ISO 527-2
Break	2.2	%	ASTM D638

Break	2.1	%	ISO 527-2
Flexural Modulus			
--	6890	MPa	ASTM D790
--	7750	MPa	ISO 178
Flexural Strength			
--	159	MPa	ASTM D790
--	184	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	270	J/m	ASTM D256
23°C ²	25	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	850	J/m	ASTM D4812
23°C ³	53	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	7.00	J	ASTM D3763
--	13.1	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	161	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁴	163	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	156	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁵	159	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : -40 to 40°C	4.5E-5	cm/cm/°C	
Transverse : -40 to 40°C	9.3E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	232 to 243	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	249 to 260	°C	
Processing (Melt) Temp	221 to 249	°C	
Mold Temperature	37.8 to 65.6	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	80*10*4 mm		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

