

SABIC Innovative Plastics LNP VERTON MX02795 PP (Asia Pacific)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-VERTON-MX02795-PP-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0027 cm/cm	0.0027 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
	0.0030 cm/cm	0.0030 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Time 86400 sec	@Time 24.0 hour	
	0.0053 cm/cm	0.0053 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	17000 psi	ASTM D638
Tensile Strength, Yield	111 MPa	16100 psi	ISO 527
	117 MPa	17000 psi	ASTM D638
Elongation at Break	2.2 %	2.2 %	ASTM D638
Elongation at Yield	2.1 %	2.1 %	ISO 527
	2.2 %	2.2 %	ASTM D638
Tensile Modulus	8.96 GPa	1300 ksi	50 mm/min; ASTM D638
Flexural Strength	158 MPa	22900 psi	ASTM D790
Flexural Modulus	6.89 GPa	999 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.54 J/cm	16.0 ft-lb/in	ASTM D4812

Izod Impact, Unnotched (ISO) Mechanical Properties	52.0 kJ/m ² Metric	24.7 ft-lb/in ² English	80*10*4 ISO 180/1U Comments
Dart Drop, Total Energy	7.00 J	5.16 ft-lb	Instrumented Impact Energy @ peak; ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	161 Â°C @Thickness 3.20 mm	322 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	156 Â°C @Thickness 3.20 mm	313 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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