



**TRIVALENCE**

# TriVOL 22GM20 (U,R)

**Polypropylene**

Product Description	General Information
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Polypropylene, homopolymer, glass/mineral reinforced			
<b>FEATURES</b>	<b>ADDITIONAL FORMULAS</b>	<b>COLOR</b>	
-Medium Flow	-RoHS/REACH Compliant	-Added Release "R"	
-Copolymer	-Low Warpage	-Added UV "U"	
-20% Glass/Mineral Reinforced			
-Good Structural Strength			

General	Typical Applications
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<b>Processing Method</b>	-Appliance, electrical, lawn & garden, automotive, packaging, industrial
<b>Form(s)</b>	-Injection/Extrusion
<b>Availability</b>	-Pellets
	-North America, Europe, Asia, Latin America

ASTM / ISO Properties <sup>1</sup>	Nominal Value	Unit	Test Method
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<b>Physical</b>			
Density	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	12	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal

<b>Mechanical</b>			
Tensile Strength, yld	5400	psi	ASTM D638
Flexural Modulus	405000	psi	ASTM D790
Notched Izod Impact	1.1	ft-lbs/in	ASTM D256

<b>Thermal</b>			
Deflection Temperature Under Load (1.8 MPa)	295	°F	ASTM D648

<b>Flammability</b>			
0.06 in	HB		TVT Internal

Recommended Processing Guidance	Nominal Value	Unit
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Drying Temperature	140-180	°F
Drying Time	1 to 3	Hours
Suggested Max Moisture	0.05	%
Processing Melt Temperature	380 to 440	°F
Mold Temperature	80 to 140	°F