



**TRIVALENCE**

# TriVOL 11G30(U,R)

**Polypropylene**

**General Information**

**Product Description**

Polypropylene, homopolymer, glass filled.

**FEATURES**

- Medium Flow
- Homopolymer
- 30% Glass Reinforced
- Good Structural Strength

**ADDITIONAL FORMULAS**

- Added Release "R"
- Added UV "U"

**COLOR**

-All

**General**

**Typical Applications**

-Appliance, electrical, lawn & garden, automotive, packaging, industrial

**Processing Method**

-Injection/Extrusion

**Form(s)**

-Pellets

**Availability**

-North America, Europe, Asia, Latin America

**ASTM / ISO Properties<sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.13	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	12	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength, yld	11,800	psi	ASTM D638
Flexural Modulus	850,000	psi	ASTM D790
Notched Izod Impact	1.5	ft-lbs/in	ASTM D256
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (1.8 MPa)	285	°F	ASTM D648
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
0.06 in	HB		UL94 TVT Internal
<b>Recommended Processing Guidance</b>	<b>Nominal Value</b>	<b>Unit</b>	
Drying Temperature	140-180	°F	
Drying Time	1 to 3	Hours	
Suggested Max Moisture	0.05	%	
Processing Melt Temperature	420 to 480	°F	
Mold Temperature	80 to 140	°F	