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**TRIVALENCE**

# TriVOL 11G30(U,R)

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## Polypropylene

### General Information

#### Product Description

Polypropylene, homopolymer, glass filled melt flow ranges (4-12)

#### 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>

	Nominal Value	Unit	Test Method
<b>Physical</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>			
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>			
Deflection Temperature Under Load (1.8 MPa)	285	°F	ASTM D648
<b>Flammability</b>			
0.06 in	HB		UL94 TVT Internal
<b>Recommended Processing Guidance</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	

<sup>1</sup> Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.