



**TRIVALENCE**

# TriVOL 31GM32 (U,R)

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## Polypropylene

### General Information

#### Product Description

Polypropylene, homopolymer, glass/mineral reinforced

#### FEATURES

- High Flow
- Copolymer
- 32% Glass/Mineral Reinforced
- Good Structural Strength
- RoHS/REACH Compliant
- Low Warpage

#### 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>

#### Physical

	Nominal Value Unit	Test Method
Density	1.19 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	25 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass	TVT Internal

#### Mechanical

	Nominal Value Unit	Test Method
Tensile Strength, yld	5000 psi	ASTM D638
Tensile Elongation	>5 %	ASTM D638
Flexural Modulus	530,000 psi	ASTM D790
Notched Izod Impact	0.9 ft-lbs/in	ASTM D256

#### Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	208 °F	ASTM D648

#### Flammability

	Nominal Value Unit	Test Method
0.06 in	HB	UL94 TVT Internal

#### Recommended Processing Guidance

	Nominal Value Unit
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

<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.