



TRIVALENCE

TriVOL 41GM32 (U,R)

Polypropylene

General Information

Product Description

Polypropylene, homopolymer, glass/mineral reinforced

FEATURES

- High Flow
- Copolymer
- 32% Glass/Mineral Reinforced
- Good Structural Strength

ADDITIONAL FORMULAS

- RoHS/REACH Compliant
- Low Warpage
- 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 Properties¹

Physical	Nominal Value Unit	Test Method
Density	1.20 g/cm ³	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	555000 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)	205 °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	