



TRIVALENCE

TriVOL 31GM32 (U,R)

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 Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.19	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	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