



TRIVALENCE

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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

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

¹

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.