



TRIVALENCE

TriVOL 21G20(U,R)

Polypropylene

General Information

Product Description

Polypropylene, homopolymer, glass filled.

FEATURES

- High Flow
- Homopolymer
- 20% Glass Reinforced
- Good Structural Strength

ADDITIONAL FORMULAS

- RoHS/REACH Compliant
- 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	1.03	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	18	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	9,800	psi	ASTM D638
Flexural Modulus	580,000	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)	280	°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	420 to 480	°F
Mold Temperature	80 to 140	°F