



TRIVALENCE

TriVOL 21GM20(U,R)

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Polypropylene

General Information

Product Description

Polypropylene, homopolymer, glass/mineral filled.

FEATURES

- Medium Flow
- Homopolymer
- 20% 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	1.04	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	12	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	7,200	psi	ASTM D638
Flexural Modulus	520,000	psi	ASTM D790
Notched Izod Impact	1.0	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (.45 MPa)	295	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 File E494706
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	

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.