



TRIVALENCE

TriVOL 12G10C (8M, 12M, 20M, 24M)

Polypropylene

General Information

Product Description

UL certified HB copolymer PP product is available in melt flow ranges of 8 - 24. Glass reinforced.

FEATURES

- HB -RoHS/REACH Compliant
- Copolymer
- Chemically Coupled
- 10% Glass Reinforced

ADDITIONAL FORMULAS

- Added Release "R"
- Added UV "U"

COLOR

-All



General

- Typical Applications** -Appliance, electrical, lawn & garden, automotive, packaging, industrial
- Processing Method** -Injection
- Form(s)** -Pellets
- Availability** -North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical

	Nominal Value	Unit	Test Method
Density	0.98	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	(8, 12, 20, or 24)	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, brk	6400	psi	ASTM D638
Tensile Elongation	>7.0	%	ASTM D638
Flexural Modulus	310000	psi	ASTM D790
Notched Izod Impact	2.0	ft-lbs/in	ASTM D256
Shore Hardness	65	D-Scale	ASTM D785

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	290	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	250	°F	ASTM D648
RTI Elec	149	°F	UL 746
RTI IMP	149	°F	UL 746
RTI Str	149	°F	UL 746

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	380 to 440	°F
Mold Temperature	80 to 140	°F