



TRIVALENCE

TriVOL 12G20C (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
- 20% 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	1.03	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)	0.3 to 0.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, brk	10800	psi	ASTM D638
Tensile Elongation	>4.0	%	ASTM D638
Flexural Modulus	540000	psi	ASTM D790
Notched Izod Impact	1.6	ft-lbs/in	ASTM D256
Shore Hardness	75	D-Scale	ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	312	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	280	°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	400 to 460	°F	
Mold Temperature	80 to 140	°F	