



**TRIVALENCE**

# TriVOL 12G40C (8M, 12M, 20M)

**Polypropylene**

**General Information**

**Product Description**

UL certified HB copolymer PP product is available in melt flow ranges of 8 - 20. Glass reinforced.

**FEATURES**

- HB -RoHS/REACH Compliant
- Copolymer
- Chemically Coupled
- 40% 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 Properties<sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.24	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	(8, 12, or 20)	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength, brk	12000	psi	ASTM D638
Tensile Elongation	>3.0	%	ASTM D638
Flexural Modulus	1000000	psi	ASTM D790
Notched Izod Impact	2.4	ft-lbs/in	ASTM D256
Shore Hardness	75	D-Scale	ASTM D785
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (0.45 MPa)	316	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	292	°F	ASTM D648
RTI Elec	149	°F	UL 746
RTI IMP	149	°F	UL 746
RTI Str	149	°F	UL 746
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
0.06 in	HB		UL94 File E494706
<b>Recommended Processing Guidance</b>	<b>Nominal Value</b>	<b>Unit</b>	
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	