



**TRIVALENCE**

# TriVOL 32C40 (8M, 12M, 20M, 24M)

## Polypropylene

### General Information

#### Product Description

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

#### FEATURES

- HB -RoHS/REACH Compliant
- Copolymer
- Chemically Coupled
- 40% Calcium Reinforced

#### ADDITIONAL FORMULAS

- Added Release "R"
- Added UV "U"
- Sustainable UL grades available

#### 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>

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	(8, 12, 20, or 24)	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.0 to 1.3	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	3400	psi	ASTM D638
Tensile Elongation	>40	%	ASTM D638
Flexural Modulus	300,000	psi	ASTM D790
Notched Izod Impact	1.2	ft-lbs/in	ASTM D256
Shore Hardness	73	D-Scale	ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	230	°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	160 to 200	°F	
Drying Time	1 to 3	Hours	
Suggested Max Moisture	0.05	%	
Processing Melt Temperature	410 to 500	°F	
Mold Temperature	80 to 140	°F	