



**TRIVALENCE**

# TriVET 21G10CPE

Proprietary Copolyester

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## General Information

### Product Description

Glass fiber reinforced proprietary copolyester

#### FEATURES

- 10% Glass Fiber Reinforced
- Chemical Resistance
- RoHS/REACH Compliant
- Medium Flow

#### ADDITIONAL FORMULAS

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

#### COLOR

-All

### General

#### Typical Applications

-Appliance, electrical, lawn & garden.

#### Processing Method

-Injection/Extrusion

#### Form(s)

-Pellets

#### Availability

-North America, Europe, Latin America

## ASTM / ISO Properties<sup>1</sup>

### Physical

	Nominal Value	Unit	Test Method
Density	1.25	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (250°C/2.16kg)	5	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.03 to 0.06	%	ASTM D955
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal

### Mechanical

	Nominal Value	Unit	Test Method
Tensile Strength, yld	9,700	psi	ASTM D638
Tensile Elongation	>7	%	ASTM D638
Flexural Modulus	390,000	psi	ASTM D790
Notched Izod Impact, 73F	1.2	ft-lb/in	ASTM D256

### Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	218	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	195	°F	ASTM D648
CLTE - Flow	3.1E-5	in/in/°F	ASTM E831

### Flammability

	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

### Recommended Processing Guidance

Drying Temperature	180 to 200	°F
Drying Time	3 to 6	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	530 to 540	°F
Mold Temperature	120 to 170	°F

<sup>1</sup> 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.