



TRIVALENCE

TriVET™ 21G10CPE
Proprietary Copolyester

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 Properties¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.25	g/cm ³	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			
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			
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			
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	