



**TRIVALENCE**

# TriVET™ 21G30BE (U,R)

Polybutylene Terephthalate

## General Information

### Product Description

Glass fiber reinforced PBT

#### FEATURES

- 30% 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	1.50	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (250°C/2.16kg)	20	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	ASTM D955
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	16,200	psi	ASTM D638
Tensile Elongation	>3	%	ASTM D638
Flexural Modulus	1000000	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)(0.25in)	400	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)(0.25in)	380	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal
Recommended Processing Guidance			
Drying Temperature	220 to 255	°F	
Drying Time	3 to 6	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	480 to 500	°F	
Mold Temperature	140 to 190	°F	