



TRIVALENCE

TriVET™ 22G15B (U,R)

Polybutylene Terephthalate

General Information

Product Description

Glass fiber reinforced PBT

FEATURES

- 15% 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

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ASTM D792
Melt Flow Rate (250°C/2.16kg)	18	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.6	%	ASTM D955
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	13,200	psi	ASTM D638
Tensile Elongation	>5	%	ASTM D638
Flexural Modulus	690,000	psi	ASTM D790
Notched Izod Impact, 73F	0.9	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)	368	°F	ASTM D648
CLTE - Flow	1.2E-5	in/in/°F	ASTM E831

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