



**TRIVALENCE**

# TriVET™ 13FR0BP (U,R)

Polybutylene Terephthalate

## General Information

### Product Description

PBT, impact modified, flame retardant

#### FEATURES

- Flame Retardant
- Chemical Resistance
- RoHS/REACH Compliant
- Medium Flow

-Impact Modified

#### 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	1.35	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (250°C/5.0kg)	18	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.9 to 1.3	%	ASTM D955
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	7,200	psi	ASTM D638
Tensile Elongation, brk	>100	%	ASTM D638
Flexural Modulus	290,000	psi	ASTM D790
Notched Izod Impact, 73F	10.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)(0.25in)	272	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)(0.25in)	205	°F	ASTM D648
CLTE - Flow	5.1E-5	in/in/°F	ASTM E831
Flammability	Nominal Value	Unit	Test Method
0.06 in	V0		UL94 TVT Internal
0.125 in	5V		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	120 to 160	°F	