



**TRIVALENCE**

# TriVET™ 21B (U,R)

Polybutylene Terephthalate

General Information		
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Product Description		
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General purpose, unreinforced PBT

**FEATURES**

- Improved processing
- Chemical Resistance
- RoHS/REACH Compliant
- Medium Flow

**ADDITIONAL FORMULAS**

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

**COLOR**

-All

General		
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**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>			
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Physical	Nominal Value	Unit	Test Method
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Density	1.31	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (250°C/2.16kg)	60	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.9 to 1.6	%	ASTM D955
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal

Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength, yld	7,200	psi	ASTM D638
Tensile Elongation	>50	%	ASTM D638
Flexural Modulus	330,000	psi	ASTM D790
Notched Izod Impact, 73F	0.9	ft-lb/in	ASTM D256

Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load (0.45 MPa)(0.25in)	300	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)(0.25in)	130	°F	ASTM D648

Flammability	Nominal Value	Unit	Test Method
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0.06 in	HB		UL94 TVT Internal
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Recommended Processing Guidance			
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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	