



**TRIVALENCE**

# TriVOL 11T10 (U,R)

**Polypropylene**

**General Information**

**Product Description**

Homopolymer PP, talc reinforced.

**FEATURES**

-RoHS/REACH Compliant  
-Homopolymer  
-10% Talc Reinforced

**ADDITIONAL FORMULAS**

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

**COLOR**

-All

**General**

**Typical Applications** -Appliance, electrical, lawn & garden, automotive, packaging, industrial

**Processing Method** -Injection

**Form(s)** -Pellets

**Availability** -North America, Europe, Asia, Latin America

**ASTM / ISO Properties<sup>1</sup>**

**Physical**

	Nominal Value	Unit	Test Method
Density	0.97	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	8	g/10min	ASTM D1238
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal

**Mechanical**

	Nominal Value	Unit	Test Method
Tensile Strength	4,600	psi	ASTM D638
Tensile Elongation	>10	%	ASTM D638
Flexural Modulus	275,000	psi	ASTM D790
Notched Izod Impact	0.6	ft-lbs/in	ASTM D256

**Thermal**

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	225	°F	ASTM D648

**Flammability**

	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

**Recommended Processing Guidance**

	Nominal Value	Unit
Drying Temperature	160 to 200	°F
Drying Time	1 to 3	Hours
Suggested Max Moisture	0.05	%
Processing Melt Temperature	410 to 480	°F
Mold Temperature	80 to 140	°F