



**TRIVALENCE**

# TriVOL 21C10 (U,R)

**Polypropylene**

**General Information**

**Product Description**

Homopolymer PP, calcium carbonate reinforced. melt flow ranges (13-24)

**FEATURES**

- RoHS/REACH Compliant
- Homopolymer
- 10% Calcium Carbonate Reinforced

**ADDITIONAL FORMULAS**

- High Flow
- 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>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	0.97	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	18	g/10min	ASTM D1238
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength	4,000	psi	ASTM D638
Tensile Elongation	>12	%	ASTM D638
Flexural Modulus	250,000	psi	ASTM D790
Notched Izod Impact	0.8	ft-lbs/in	ASTM D256
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (0.45 MPa)	215	°F	ASTM D648
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
0.06 in	HB		UL94 File E494706
<b>Recommended Processing Guidance</b>	<b>Nominal Value</b>	<b>Unit</b>	
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	