



**TRIVALENCE**

# TriVOL 21C20 (U,R)

**Polypropylene**

General Information			
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Product Description			
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Homopolymer PP, calcium carbonate reinforced. melt flow ranges (13-24)

**FEATURES**

-RoHS/REACH Compliant  
-Homopolymer  
-20% Calcium Carbonate Reinforced

**ADDITIONAL FORMULAS**

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

**COLOR**

-All

General	
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**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>			
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Physical	Nominal Value	Unit	Test Method
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Density	1.04	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

Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength	4,500	psi	ASTM D638
Tensile Elongation	>10	%	ASTM D638
Flexural Modulus	330,000	psi	ASTM D790
Notched Izod Impact	0.8	ft-lbs/in	ASTM D256

Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load (0.45 MPa)	235	°F	ASTM D648
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Flammability	Nominal Value	Unit	Test Method
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0.06 in	HB		UL94 File E494706
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Recommended Processing Guidance	Nominal Value	Unit
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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