



TRIVALENCE

TriVOL 12C40 (U,R)

Polypropylene

General Information			
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Product Description			
Copolymer PP, calcium carbonate reinforced. melt flow ranges (4-12)			
FEATURES	ADDITIONAL FORMULAS	COLOR	
-RoHS/REACH Compliant	- Low Flow	-Added Release "R"	
-Copolymer		-Added UV "U"	
-40% Calcium Carbonate Reinforced			

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 ¹			
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	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	4,000	psi	ASTM D638
Tensile Elongation	>8	%	ASTM D638
Flexural Modulus	275,000	psi	ASTM D790
Notched Izod Impact	1.5	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	250	°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