



TRIVALENCE

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TriVOL 21C40 (U,R)

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Polypropylene

General Information

Product Description

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

FEATURES

-RoHS/REACH Compliant
-Homopolymer
-40% Calcium Carbonate 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 Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	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
Tensile Strength	5,000	psi	ASTM D638
Tensile Elongation	>8	%	ASTM D638
Flexural Modulus	450,000	psi	ASTM D790
Notched Izod Impact	0.8	ft-lbs/in	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	265	°F	ASTM D648

Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 File E494706

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

¹ Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.