



TRIVALENCE

TriVOL 21G40(U,R)

Polypropylene

Product Description	General Information
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Polypropylene, homopolymer, glass filled.

FEATURES

High Flow -RoHS/REACH Compliant
 -Homopolymer
 -40% Glass Reinforced
 -Good Structural Strength

ADDITIONAL FORMULAS

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

COLOR

-All

General

Typical Applications	-Appliance, electrical, lawn & garden, automotive, packaging, industrial
Processing Method	-Injection/Extrusion
Form(s)	-Pellets
Availability	-North America, Europe, Asia, Latin America

ASTM / ISO Properties ¹	Nominal Value	Unit	Test Method
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Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	18	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	13,000	psi	ASTM D638
Flexural Modulus	925,000	psi	ASTM D790
Notched Izod Impact	2.0	ft-lbs/in	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)	290	°F	ASTM D648

Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance	Nominal Value	Unit
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Drying Temperature	140-180	°F
Drying Time	1 to 3	Hours
Suggested Max Moisture	0.05	%
Processing Melt Temperature	420 to 480	°F
Mold Temperature	80 to 140	°F