



TRIVALENCE

TriVALOY 21G30 (U,R)

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Polycarbonate + ABS

General Information

Product Description

Glass fiber reinforced polycarbonate/ABS.

FEATURES

- 30% Glass Fiber Reinforced
- Good Strength
- Good Creep Resistance
- Medium Flow

-Chemical Resistance

ADDITIONAL FORMULAS

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

COLOR

-All

General

Typical Applications

-Appliance, electrical, lawn & garden, automotive, electronic

Processing Method

-Injection

Form(s)

-Pellets

Availability

-North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	12	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4	%	TVT Internal
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	14,500	psi	ASTM D638
Tensile Elongation	3	%	ASTM D638
Flexural Modulus	900000	psi	ASTM D790
Notched Izod Impact	1.3	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	268	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	244	°F	ASTM D648
Vicat Softening Temperature	272	°F	ASTM D1525
CLTE - Flow	2.5E-5	in/in/°F	ASTM E831
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance

Drying Temperature	190 to 220	°F
Drying Time	3 to 6	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	460 to 520	°F
Mold Temperature	150 to 190	°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.