



TRIVALENCE

TriVALOY 22G10 (U,R)

Polycarbonate + ABS

General Information

Product Description

Glass fiber reinforced polycarbonate/ABS.

FEATURES

- 10% 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

	Nominal Value	Unit	Test Method
Physical			
Density	1.23	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	16	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.5	%	TVT Internal
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal
Mechanical			
Tensile Strength, yld	10500	psi	ASTM D638
Tensile Elongation	3	%	ASTM D638
Flexural Modulus	600000	psi	ASTM D790
Notched Izod Impact	2.2	ft-lbs/in	ASTM D256
Thermal			
Deflection Temperature Under Load (0.45 MPa)	268	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	240	°F	ASTM D648
Vicat Softening Temperature	266	°F	ASTM D1525
CLTE - Flow	2.8E-5	in/in/°F	ASTM E831
Flammability			
0.06 in		HB	UL94 TVT Internal

Recommended Processing Guidance

Drying Temperature	200 to 225	°F
Drying Time	3 to 6	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	490 to 530	°F
Mold Temperature	140 to 170	°F