



TRIVALENCE

TriVALOY 22G20 (U,R)

Polycarbonate + ABS

General Information

Product Description

Glass fiber reinforced polycarbonate/ABS.

FEATURES

- 20% Glass Fiber Reinforced
- Good Strength
- Good Creep Resistance
- Medium Flow

- Chemical Resistance
- High Impact

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	1.27 g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	16 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.5 %	TVT Internal
Outdoor Suitability - QUV ("U" grades only)	Pass	QUV - TVT Internal

Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	12,500 psi	ASTM D638
Tensile Elongation	3 %	ASTM D638
Flexural Modulus	820000 psi	ASTM D790
Notched Izod Impact	1.8 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	270 °F	ASTM D1525
CLTE - Flow	2.7E-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