



**TRIVALENCE**

# TriVALOY 11G20FR0 (U,R)

**Polycarbonate + ABS**

Product Description	General Information
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Glass fiber reinforced Polycarbonate/ABS, Flame Retardant

**FEATURES**

- 20% Glass Fiber Reinforced
- Good Strength
- High heat resistance
- Low 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 Properties <sup>1</sup>		
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Physical	Nominal Value Unit	Test Method
Density	1.35 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (250°C/2.16kg)	3 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	13,500 psi	ASTM D638
Tensile Elongation	4 %	ASTM D638
Flexural Modulus	820000 psi	ASTM D790
Notched Izod Impact	1.2 ft-lbs/in	ASTM D256

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	260 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	240 °F	ASTM D648
Vicat Softening Temperature	255 °F	ASTM D1525

Flammability	Nominal Value Unit	Test Method
0.06 in	V0	UL94 TVT Internal

Recommended Processing Guidance
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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