



**TRIVALENCE**

# TriVALOY 21G10E

**Polycarbonate + ABS**

**General Information**

**Product Description**

Glass reinforced polycarbonate + ABS with low flow and good stiffness.

**FEATURES**

- Good Heat Resistance
- Good Stiffness
- Medium Impact
- ROHS/REACH Compliant
- 10% Glass Fiber Reinforced

**ADDITIONAL FORMULAS**

- Good Heat Aging
- Good Dimensional Stability
- Added Release "R"
- Added UV "U"

**COLOR**

- All
- Opaque

**General**

**Typical Applications**

-Automotive, housings

**Processing Method**

-Injection

**Form(s)**

-Pellets

**Availability**

-North America, Europe, Latin America

**ASTM / ISO Properties<sup>1</sup>**

**Physical**

	Nominal Value	Unit	Test Method
Density	1.2	g/cm <sup>3</sup>	ISO 1183
Melt Flow Rate (260°C/5.0kg)	20	g/10min	ISO 1133
Melt Flow Rate (230°C/3.0kg)	4	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal

**Mechanical**

	Nominal Value	Unit	Test Method
Tensile Strength, brk	63	MPa	ISO 527
Tensile Elongation, brk	2	%	ISO 527
Flexural Modulus	3,500	MPa	ISO 178
Tensile Modulus	5200	MPa	ISO 527
Notched Izod Impact, RT	8	kJ/m <sup>2</sup>	ISO 179

**Thermal**

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	120	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	114	°C	ISO 75
Vicat Softening Temperature	119	°C	ISO 306

**Flammability**

	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

**Recommended Processing Guidance**

Drying Temperature	90 to 120	°C
Drying Time	4 to 5	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	240 to 270	°C
Mold Temperature	125 to 170	°C