



**TRIVALENCE**

# TriVALOY 22G20 - ISO

**Polycarbonate + ABS**

**General Information**

**Product Description**

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

**FEATURES**

- Good Heat Resistance
- Good Stiffness
- Medium Impact
- ROHS/REACH Compliant
- 20% 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>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.2	g/cm <sup>3</sup>	ISO 1183
Melt Flow Rate (260°C/5.0kg)	18	g/10min	ISO 1133
Melt Flow Rate (230°C/3.0kg)	3	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength, brk	80	MPa	ISO 527
Tensile Elongation, brk	2	%	ISO 527
Flexural Modulus	5400	MPa	ISO 178
Tensile Modulus	6000	MPa	ISO 527
Notched Izod Impact, RT	7.5	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (0.45 MPa)	133	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	120	°C	ISO 75
Vicat Softening Temperature	130	°C	ISO 306
CLTE - Flow	1.7E-5	in/in/°F	ISO 11359
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
0.06 in	HB		UL94 TVT Internal
<b>Recommended Processing Guidance</b>			
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		