



TRIVALENCE

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# TriVALOY 21G20 - ISO

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## 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
- 20% Glass Fiber Reinforced

#### ADDITIONAL FORMULAS

- 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	1.26	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

#### Mechanical

	Nominal Value	Unit	Test Method
Tensile Strength, brk	76	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	6.5	kJ/m <sup>2</sup>	ISO 179

#### Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	130	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	118	°C	ISO 75
Vicat Softening Temperature	128	°C	ISO 306
CLTE - Flow	1.7E-5	in/in/°F	ISO 11359

#### 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

<sup>1</sup> Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.