



**TRIVALENCE**

# TriBLEND 22G20 (U,R)

**Polycarbonate + PBT**

Headquarters  
3001 Maxx Road  
Evansville, IN 47711  
800.209.2517

trivalencetechnologies.com

## General Information

### Product Description

20% Glass Reinforced Polycarbonate + PBT, Impact Modified

#### FEATURES

- Outstanding Strength
- Great Chemical Resistance
- ROHS/REACH Compliant
- Medium Flow
- 20% Glass Reinforced

#### ADDITIONAL FORMULAS

- Added Release "R"
- Added UV "U"

#### COLOR

- All
- Opaque/Translucent

### General

#### Typical Applications

-Military, lawn & garden, automotive, electronics, medical devices, housings

#### Processing Method

-Injection/Extrusion

#### Form(s)

-Pellets

#### Availability

-North America, Europe, Asia, Latin America

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

### Physical

	Nominal Value Unit	Test Method
Density	1.36 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (260°C/5.0kg)	28 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.4 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades only)	Pass	TVT Internal

### Mechanical

	Nominal Value Unit	Test Method
Tensile Strength, yld	13,600 psi	ASTM D638
Tensile Elongation, brk	>3 %	ASTM D638
Flexural Modulus	660000 psi	ASTM D790
Notched Izod Impact (73F)	2.0 ft-lbs/in	ASTM D256
Rockwell Hardness	110 R-Scale	ASTM D785

### Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	385 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	320 °F	ASTM D648
Vicat Softening Temperature	305 °F	ASTM D1525

### Flammability

	Nominal Value Unit	Test Method
0.06 in	HB	UL94 - TVT Internal

### Recommended Processing Guidance

Drying Temperature	200 to 240 °F
Drying Time	2 to 4 Hours
Suggested Max Moisture	0.02 %
Processing Melt Temperature	490 to 530 °F
Mold Temperature	150 to 190 °F

<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.