



TRIVALENCE

TriBLEND 22G10E (U,R)

Polycarbonate + PET

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General Information

Product Description

10% Glass Reinforced Polycarbonate + PET, Impact Modified

FEATURES

- Outstanding Strength
- Great Chemical Resistance
- ROHS/REACH Compliant
- Medium Flow
- 10% 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 Properties¹

Physical

	Nominal Value Unit	Test Method
Density	1.3 g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	35 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.9 to 1.2 %	TVT Internal
Outdoor Suitability (QUV)	Pass	TVT Internal

Mechanical

	Nominal Value Unit	Test Method
Tensile Strength, yld	10,800 psi	ASTM D638
Tensile Elongation, brk	>10 %	ASTM D638
Flexural Modulus	540,000 psi	ASTM D790
Notched Izod Impact (73F)	3.5 ft-lbs/in	ASTM D256
Rockwell Hardness	114 R-Scale	ASTM D785

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	290 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	232 °F	ASTM D648

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 520 °F
Mold Temperature	150 to 190 °F

¹ 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.