



**TRIVALENCE**

# TriBLEND 22G10E (U,R)

Polycarbonate + PET

General Information	
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Product Description	
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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	
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**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>		
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Physical	Nominal Value Unit	Test Method
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Density	1.3 g/cm <sup>3</sup>	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
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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
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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
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0.06 in	HB	UL94 - TVT Internal
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Recommended Processing Guidance	
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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