



**TRIVALENCE**

# TriBLEND 22G10 (U,R)

**Polycarbonate + PBT**

Product Description	General Information
---------------------	---------------------

<p>10% Glass Reinforced Polycarbonate + PBT, Impact Modified</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>-Outstanding Strength</li> <li>-Great Chemical Resistance</li> <li>-ROHS/REACH Compliant</li> <li>-Medium Flow</li> <li>-10% Glass Reinforced</li> </ul>	<p><b>ADDITIONAL FORMULAS</b></p> <ul style="list-style-type: none"> <li>-Added Release "R"</li> <li>-Added UV "U"</li> </ul>	<p><b>COLOR</b></p> <ul style="list-style-type: none"> <li>-All</li> <li>-Opaque/Translucent</li> </ul>
---	---	---

General	ASTM / ISO Properties <sup>1</sup>
---------	------------------------------------

<p><b>Typical Applications</b></p> <p><b>Processing Method</b></p> <p><b>Form(s)</b></p> <p><b>Availability</b></p>	<ul style="list-style-type: none"> <li>-Military, lawn &amp; garden, automotive, electronics, medical devices, housings</li> <li>-Injection/Extrusion</li> <li>-Pellets</li> <li>-North America, Europe, Asia, Latin America</li> </ul>
---	---

Physical	Nominal Value Unit	Test Method
----------	--------------------	-------------

Density	1.3 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (260°C/5.0kg)	28 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.8 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades only)	Pass	TVT Internal

Mechanical	Nominal Value Unit	Test Method
------------	--------------------	-------------

Tensile Strength, yld	11,000 psi	ASTM D638
Flexural Modulus	550,000 psi	ASTM D790
Notched Izod Impact (73F)	1.8 ft-lbs/in	ASTM D256
Rockwell Hardness	109 R-Scale	ASTM D785

Thermal	Nominal Value Unit	Test Method
---------	--------------------	-------------

Deflection Temperature Under Load (0.45 MPa)	380 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	315 °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