



TRIVALENCE

TriBLEND 22G30 (U,R)

Polycarbonate + PBT

Product Description	General Information
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<p>30% Glass Reinforced Polycarbonate + PBT, Impact Modified</p> <p>FEATURES</p> <ul style="list-style-type: none"> -Outstanding Strength -Great Chemical Resistance -ROHS/REACH Compliant -Medium Flow -30% Glass Reinforced 	<p>ADDITIONAL FORMULAS</p> <ul style="list-style-type: none"> -Added Release "R" -Added UV "U" 	<p>COLOR</p> <ul style="list-style-type: none"> -All -Opaque/Translucent
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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 ¹

Physical	Nominal Value Unit	Test Method
Density	1.43 g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	28 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.5 %	TVT Internal
Outdoor Suitability (QUV) ("U" Grades only)	Pass	TVT Internal

Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	14,800 psi	ASTM D638
Flexural Modulus	780000 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)	386 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	322 °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