



TRIVALENCE

TriBLEND 22G20 (U,R)

Polycarbonate + PBT

General Information

Product Description		
20% Glass Reinforced Polycarbonate + PBT, Impact Modified		
FEATURES	ADDITIONAL FORMULAS	COLOR
-Outstanding Strength	-Added Release "R"	-All
-Great Chemical Resistance	-Added UV "U"	-Opaque/Translucent
-ROHS/REACH Compliant		
-Medium Flow		
-20% Glass Reinforced		

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	1.36 g/cm ³	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