



TRIVALENCE

TriBLEND 31G15T (U,R)

Polycarbonate + PET

Product Description	General Information
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<p>15% Glass Reinforced Polycarbonate + PET,</p> <p>FEATURES</p> <ul style="list-style-type: none"> -Outstanding Strength -Great Chemical Resistance -ROHS/REACH Compliant -High Flow -15% 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	
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Typical Applications	-Military, lawn & garden, automotive, electronics, medical devices, housings
Processing Method	-Injection
Form(s)	-Pellets
Availability	-North America, Europe, Asia, Latin America

ASTM / ISO Properties ¹

Physical	Nominal Value Unit	Test Method
Density	1.32 g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	35 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.8 %	TVT Internal
Outdoor Suitability (QUV)	Pass	TVT Internal

Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	9,500 psi	ASTM D638
Tensile Elongation, brk	>5 %	ASTM D638
Flexural Modulus	540,000 psi	ASTM D790
Notched Izod Impact (73F)	1.1 ft-lbs/in	ASTM D256
Rockwell Hardness	112 R-Scale	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	262 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	250 °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	