



TRIVALENCE

TriBLEND 13E (U,R)

Polycarbonate + PET

Product Description	General Information
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<p>Polycarbonate + PET with good impact.</p> <p>FEATURES</p> <ul style="list-style-type: none"> -High Strength -Great Chemical Resistance -Good Room/Cold Temperature Impact -ROHS/REACH Compliant -Medium Flow 	<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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<p>Typical Applications</p> <p>Processing Method</p> <p>Form(s)</p> <p>Availability</p>	<ul style="list-style-type: none"> -Military, lawn & garden, transportation, electronics, medical devices, housings -Injection/Extrusion -Pellets -North America, Europe, Asia, Latin America
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ASTM / ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	18	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.8 to 1.1	%	TVT Internal
Outdoor Suitability (QUV)("U" Grades Only)	Pass		TVT Internal

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	8000	psi	ASTM D638
Tensile Elongation, brk	>120	%	ASTM D638
Flexural Modulus	330000	psi	ASTM D790
Gardner Impact	320	in-lbs	ASTM D5420
Notched Izod Impact (73F)	12	ft-lbs/in	ASTM D256
Notched Izod Impact (-22F)	5	ft-lbs/in	ASTM D257
Rockwell Hardness	112	R-Scale	ASTM D785

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	215	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	190	°F	ASTM D648
CLTE - Flow	9.3E-5	in/in/°F	ASTM E831

Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL File E494706

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	105 to 175 °F