



**TRIVALENCE**

# TriBLEND 33 (U,R)

**Polycarbonate + PBT**

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

ASTM / ISO Properties <sup>1</sup>		
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Physical	Nominal Value Unit	Test Method
Density	1.22 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (260°C/5.0kg)	40 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.6 to .9 %	TVT Internal
Outdoor Suitability (QUV)("U" Grades Only)	Pass	TVT Internal

Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	8,000 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)	15 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)	250 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	235 °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