



**TRIVALENCE**

# TriBLEND 32 (U,R)

Polycarbonate + PBT

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## General Information

### Product Description

Polycarbonate + PBT with good impact.

#### FEATURES

- High Strength
- Great Chemical Resistance
- Good Room/Cold Temperature Impact
- ROHS/REACH Compliant
- High Flow

#### ADDITIONAL FORMULAS

- Added Release "R"
- Added UV "U"

#### COLOR

- All
- Opaque/Translucent

### General

#### Typical Applications

-Military, lawn & garden, transportation, electronics, medical devices, housings

#### Processing Method

-Injection

#### Form(s)

-Pellets

#### Availability

-North America, Europe, Asia, Latin America

## ASTM / ISO Properties<sup>1</sup>

### Physical

	Nominal Value Unit	Test Method
Density	1.21 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (260°C/5.0kg)	35 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to .9 %	TVT Internal
Outdoor Suitability (QUV)("U" Grades Only)	Pass	TVT Internal

### Mechanical

	Nominal Value Unit	Test Method
Tensile Strength, yld	8500 psi	ASTM D638
Tensile Elongation, brk	>140 %	ASTM D638
Flexural Modulus	330,000 psi	ASTM D790
Gardner Impact	320 in-lbs	ASTM D5420
Notched Izod Impact (73F)	14 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)	218 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	192 °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

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

<sup>1</sup> Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.