

**TRIVALENCE**

# TriVEX™ 62 (U,R)

Headquarters  
3001 Maxx Rd  
Evansville, IN 47711  
800.209.2517

[trivalencetechnologies.com](http://trivalencetechnologies.com)

## Polycarbonate

### General Information

#### Product Description

High flow polycarbonate

**FEATURES**

- High flow to fill thin wall and long parts
- High Optical Quality

**ADDITIONAL FORMULAS**

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

**COLOR**

- All
- Transparent

### General

**Typical Applications**

-Appliance, electrical, lawn &amp; garden, automotive, medical

**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	1.19 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (300°C/1.2kg)	40-60 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal
Outdoor Suitability (QUV) (12U Grades)	Pass	TVT Internal
Mechanical	Nominal Value Unit	Test Method
Tensile Strength, brk	8000 psi	ASTM D638
Tensile Elongation	>100 %	ASTM D638
Flexural Modulus	340000 psi	ASTM D790
Notched Izod Impact	10 ft-lbs/in	ASTM D256
Rockwell Hardness	118 R-Scale	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	252 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	248 °F	ASTM D648
Vicat Softening Temperature	282 °F	ASTM D1525
CLTE - Flow	4.5E-5 in/in/°F	ASTM E831
Flammability	Nominal Value Unit	Test Method
0.06 in	HB	UL94 - TVT Internal

### Recommended Processing Guidance

Drying Temperature	230 to 250 °F
Drying Time	3 to 6 Hours
Suggested Max Moisture	0.02 %
Processing Melt Temperature	580 to 610 °F
Mold Temperature	160 to 200 °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.