



**TRIVALENCE**

# TriVEX™ 12G30FR0

**Polycarbonate**

General Information
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Product Description
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Flame retardant, 30% glass reinforced product

**FEATURES**

- Flame Retardant
- Great Impact
- UV Stabilized
- Low Flow

**ADDITIONAL FORMULAS**

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

**COLOR**

-All

General
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|-----------------------------|---|
| <b>Typical Applications</b> | -Appliance, electrical, lawn & garden, automotive, electronic |
| <b>Processing Method</b>    | -Injection/Extrusion  |
| <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
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Density	1.43 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (300°C/1.2kg)	6 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4 %	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass	TVT Internal QUV

Mechanical	Nominal Value Unit	Test Method
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Tensile Strength, yld	14000 psi	ASTM D638
Tensile Elongation	2 %	ASTM D638
Flexural Modulus	950,000 psi	ASTM D790
Notched Izod Impact	1.4 ft-lbs/in	ASTM D256
Rockwell Hardness	122 R-Scale	ASTM D785

Thermal	Nominal Value Unit	Test Method
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Deflection Temperature Under Load (0.45 MPa)	305 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	298 °F	ASTM D648

Flammability	Nominal Value Unit	Test Method
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0.06 in	V0	UL94 TVT Internal
0.12 in	V0/5VA	UL94 TVT Internal

Recommended Processing Guidance
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Drying Temperature	230 to 250 °F
Drying Time	3 to 6 Hours
Suggested Max Moisture	0.02 %
Processing Melt Temperature	580 to 615 °F
Mold Temperature	175 to 230 °F