



TRIVALENCE

TriVEX™ 21G10FR0 (12M)

Polycarbonate

Product Description	General Information
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UL certified flame retardant, 10% glass reinforced product is available in melt flow ranges of 6 - 20.

FEATURES

- Flame Retardant
- High Impact
- UV Stabilized (f1 rated)
- High Flow -Weatherable

ADDITIONAL FORMULAS

- Added Release
- Additional Melt Flows

COLOR

-All



General

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|-----------------------------|---|
| Typical Applications | -Appliance, electrical, lawn & garden, automotive, electronic |
| Processing Method | -Injection/Extrusion |
| Form(s) | -Pellets |
| Availability | -North America, Europe, Asia, Latin America |

ASTM / ISO Properties ¹		
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Physical	Nominal Value Unit	Test Method
Density	1.26 g/cm ³	ASTM D792
Melt Flow Rate (300°C/1.2kg)	12 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.2 to 0.4 %	TVT Internal
Outdoor Suitability	f1	UL746C E494706

Mechanical	Nominal Value Unit	Test Method
Tensile Strength, yld	9400 psi	ASTM D638
Tensile Elongation	10 %	ASTM D638
Flexural Modulus	480000 psi	ASTM D790
Notched Izod Impact	2.5 ft-lbs/in	ASTM D256
Rockwell Hardness	122 R-Scale	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	292 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	284 °F	ASTM D648
Vicat Softening Temperature	308 °F	ASTM D1525
RTI Elec	176 °F	UL 746
RTI IMP	176 °F	UL 746
RTI Str	176 °F	UL 746
CLTE - Flow	1.8E-5 in/in/°F	ASTM E831

Flammability	Nominal Value Unit	Test Method
0.06 in	V0	UL94 File E494706
0.12 in	V0, 5VA	UL94 File E494706

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 |