



TRIVALENCE

TriVEX™ 22FR0f1 (12M)

Polycarbonate

Product Description	General Information
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UL certified flame resistant product is available in melt flow ranges of 8 - 24.

FEATURES

- Flame Resistant -Weatherable (f1)
- Great Impact -Elevated RTI
- UV Stabilized
- Medium Flow

ADDITIONAL FORMULAS

- Added Release
- Additional Melt Flows

COLOR

- All

PENDING APPROVAL:



Underwriters Laboratories

General

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|-----------------------------|---|
| Typical Applications | -Appliance, electrical, lawn & garden, automotive |
| Processing Method | -Injection |
| 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	1.21 g/cm ³	ASTM D792
Melt Flow Rate (300°C/1.2kg)	12 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal
Outdoor Suitability (UV)	f1	UL 746C

Mechanical	Nominal Value Unit	Test Method
Tensile Strength, brk	9200 psi	ASTM D638
Tensile Elongation	>100 %	ASTM D638
Flexural Modulus	320000 psi	ASTM D790
Notched Izod Impact	12 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)	278 °F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	270 °F	ASTM D648
Vicat Softening Temperature	308 °F	ASTM D1525
RTI Elec	266 °F	UL 746B
RTI IMP	257 °F	UL 746B
RTI Str	257 °F	UL 746B
CLTE - Flow	3.8E-5 in/in/°F	ASTM E831

Flammability	Nominal Value Unit	Test Method
0.06 in	V0	UL94 File E494706
0.125 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 | 520 to 560 °F |
| Mold Temperature | 140 to 180 °F |