



**TRIVALENCE**

# TriVEX™ 22FR2 (18M)

Polycarbonate

Product Description	General Information
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UL 94V2, Polycarbonate, high flow, flame retardant, UL listed, V2 rated, UV, release added, weatherable.

**FEATURES**

- Flame Retardant    -High Flow
- High Impact
- UV Stabilized
- Weatherable

**ADDITIONAL FORMULAS**

- Added Release "R"

**COLOR**

- All



General	
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- |                             |   |
|-----------------------------|---|
| <b>Typical Applications</b> | -Appliance, electrical, lawn & garden, automotive |
| <b>Processing Method</b>    | -Injection  |
| <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
Density	1.20 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (300°C/1.2kg)	18 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal
Outdoor Suitability (QUV)	Pass	TVT Internal
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	176 °F	UL 746
RTI IMP	176 °F	UL 746
RTI Str	176 °F	UL 746
CLTE - Flow	3.8E-5 in/in/°F	ASTM E831
Flammability	Nominal Value Unit	Test Method
0.06 in	V2	UL94 File E494706
0.12 in	V2	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 |