



**TRIVALENCE**

# TriVEX™ 22FR2 (24M)

Polycarbonate

**General Information**

**Product Description**

UL 94V2, Polycarbonate, highest flow, flame retardant, UL listed, V2 rated, UV, release added, weatherable.

**FEATURES**

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

**ADDITIONAL FORMULAS**

- Added Release "R"

**COLOR**

- All



**General**

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

**ASTM / ISO Properties<sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (300°C/1.2kg)	24	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7	%	TVT Internal
Outdoor Suitability (QUV)	Pass		TVT Internal
<b>Mechanical</b>			
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
<b>Thermal</b>			
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
<b>Flammability</b>			
0.06 in	V2		UL94 File E494706
0.12 in	V2		UL94 File E494706

**Recommended Processing Guidance**

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