



TRIVALENCE

TriVEX™ 22FR2 (20M)

Polycarbonate

General Information

Product Description

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

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

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ASTM D792
Melt Flow Rate (300°C/1.2kg)	20	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			
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	