



TRIVALENCE

TriVEX™ 21G20FR2 (12M)

Polycarbonate

General Information

Product Description

Flame retardant, 20% glass reinforced product is available in melt flow ranges of 6 - 20.

FEATURES

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

ADDITIONAL FORMULAS

- Added Release "R"
- Added UV "U"
- Additional Melt Flows

COLOR

-All

General

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

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.34	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 (QUV) ("U" grades)	Pass		TVT Internal QUV

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	13000	psi	ASTM D638
Tensile Elongation	2	%	ASTM D638
Flexural Modulus	780000	psi	ASTM D790
Notched Izod Impact	1.6	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)	300	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	294	°F	ASTM D648

Flammability	Nominal Value	Unit	Test Method
0.06 in	V2		UL94
0.12 in	V0		UL94

Recommended Processing Guidance			
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	