



**TRIVALENCE**

# TriVEX™ 21G20FR0 (6M)

**Polycarbonate**

**General Information**

**Product Description**

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

**FEATURES**

- Flame Resistant
- Great Impact
- UV Stabilized
- Low 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/Extrusion
- Form(s)** -Pellets
- Availability** -North America, Europe, Asia, Latin America

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.35	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (300°C/1.2kg)	6	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
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
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
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (0.45 MPa)	300	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	294	°F	ASTM D648
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
0.06 in	V0		UL94
0.12 in	V0, 5VA		UL94
<b>Recommended Processing Guidance</b>			
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	