TRIVALENCE

TriVEX™ 21G20FR0 (12M)

Polycarbonate

General Information

Product Description

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

FEATURES	ADDITIONAL FORMULAS	COLOR
-Flame Retardant	-Added Release "R"	-All
-High Impact	-Added UV "U"	
-UV Stabilized	-Additional Melt Flows	
-Medium Flow		

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[1]

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm³	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	V0		UL94
0.12 in	V0, 5VA		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