TRIVALENCE

TriVEX™ 22FR1 (20M)

- Pending UL Approval

Polycarbonate

General Information

Product Description

Flame resistant product is available in melt flow ranges of 8 - 24.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Flame Resistant	-Added Release	-All
-Great Impact	-Additional Melt Flows	
-UV Stabilized		
-Higher Flow -Weatherable		

General

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

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	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 TVT Internal
0.125 in	V0		UL94 TVT Internal

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