Headquarters
3001 Maxx Rd
Evansville, IN 47711
800.209.2517

TriVEX™ 23FR5 (14M) *E494706 UL Pending*

trivalencetechnologies.com

Polycarbonate

General Information

Product Description

UL certified flame resistant product is available in melt flow ranges of 8 - 24.

FEATURES	ADDITIONAL FORMULAS	COLOR
-Flame Resistant -Elevated RTI	-Added Release	-All
-Great Impact	-Additional Melt Flows	
-UV Stabilized		
-f1		

Underwriters Laboratories

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)	14	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7	%	TVT Internal
Outdoor Suitability (QUV)	f1		*UL746C Pending*
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	239	°F	*UL 746B Pending*
RTI IMP	239	°F	*UL 746B Pending*
RTI Str	239	°F	*UL 746B Pending*
CLTE - Flow	3.8E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	V0		UL94 File E494706
0.10 in	V0, 5VA		UL94 File E494706
Recommended Processing Guidance	**Nominal Value**	**Unit**	
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	

1 Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.