TRIVALENCE

TriVALOY 22FR0

Polycarbonate + ABS

General Information

Product Description

UL certified non halogenated flame retardant product is available in various melt flow ranges.

FEATURES		ADDITIONAL FORMULAS	COLOR
-Flame Retardant	-Chemical Resistant	-Added Release	-All
-High Impact	-Medium Flow	-Additional Melt Flows	-Opaque/Translucent
-UV Stabilized			
-ROHS/REACH Compliant			
-Non-halogenated/Non-Brominated/Non-Chlorinated			

Underwriters Laboratories

General

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

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	25	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, yld	8400	psi	ASTM D638
Tensile Elongation, brk	>60	%	ASTM D638
Flexural Modulus	345000	psi	ASTM D790
Gardner Impact	320	in-lbs	ASTM D5420
Rockwell Hardness	117	R-Scale	ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	210	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	198	°F	ASTM D648
Vicat Softening Temperature	208	°F	ASTM D1525
RTI Elec	140	°F	UL 746
RTI IMP	140	°F	UL 746
RTI Str	140	°F	UL 746
CLTE - Flow	4.3E-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			
Drying Temperature	165 to 185	°F	
Drying Time	3 to 6	Hours	
Suggested Max Moisture	0.03	%	
Processing Melt Temperature	460 to 500	°F	
Mold Temperature	130 to 170	°F	