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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	

[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.