



TRIVALENCE

TriVALOY 22FR0 HF

Polycarbonate + ABS

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General Information

Product Description

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

FEATURES

- Flame Retardant
- High Impact
- UV Stabilized
- ROHS/REACH Compliant
- Non-halogenated/Non-Brominated/Non-Chlorinated
- Chemical Resistant
- High Flow

ADDITIONAL FORMULAS

- Added Release
- Additional Melt Flows

COLOR

- All
- Opaque/Translucent



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 Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	35	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.