



TRIVALENCE

TriVALOY 22H

Polycarbonate + ABS

General Information

Product Description

Polycarbonate + ABS with high impact.

FEATURES

- Medium Flow
- High Impact
- Chemical Resistant
- ROHS/REACH Compliant
- Increased HDT

ADDITIONAL FORMULAS

- Added Release "R"
- Added UV "U"

COLOR

- All
- Opaque/Translucent

General

Typical Applications

-Appliance, lawn & garden, automotive, electronics, medical devices, spools, housings

Processing Method

-Injection

Form(s)

-Pellets

Availability

-North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical

	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	18	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	8500	psi	ASTM D638
Flexural Modulus	335,000	psi	ASTM D790
Gardner Impact	320	in-lbs	ASTM D5420
Notched Izod Impact	10	ft-lbs/in	ASTM D256
Rockwell Hardness	116	R-Scale	ASTM D785

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	255	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	222	°F	ASTM D648
Vicat Softening Temperature	260	°F	ASTM D1525
CLTE - Flow	4.5E-5	in/in/°F	ASTM E831

Flammability

	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance

Drying Temperature	180 to 215	°F
Drying Time	2 to 4	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	480 to 540	°F
Mold Temperature	135 to 185	°F