



TRIVALENCE

TriVALOY 32

Polycarbonate + ABS

General Information

Product Description

Polycarbonate + ABS with high impact.

FEATURES

- High Flow
- Great Impact
- Chemical Resistant
- ROHS/REACH Compliant

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	1.12	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	28	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	7400	psi	ASTM D638
Tensile Elongation, brk	100	%	ASTM D638
Flexural Modulus	315000	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)	248	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	216	°F	ASTM D648
Vicat Softening Temperature	248	°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