



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	ISO 1183/A
Melt Flow Rate (260°C/5.0kg)	28	g/10min	ISO 1133
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	51	MPa	ISO 527
Tensile Elongation, brk	>100	%	ISO 527
Tensile Modulus	2400	MPa	ISO 527
Gardner Impact	320	in-lbs	ASTM D5420
N. Charpy Impact (23C)	48	kJ/M2	ISO 179
Rockwell Hardness	116	R-Scale	ASTM D785

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	122	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	104	°C	ISO 75
Vicat Softening Temperature	124	°C	ISO 75
CLTE - Flow	7.3E-5	cm/cm/°C	ISO 11359

Flammability

	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance

Drying Temperature	90 to 115	°C
Drying Time	2 to 4	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	250 to 290	°C
Mold Temperature	75 to 90	°C