



TRIVALENCE

# TriVALOY 32

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## 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 Properties<sup>1</sup>

#### Physical

	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	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

	Nominal Value	Unit
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

<sup>1</sup> 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.