



**TRIVALENCE**

# TriVALOY 32H

**Polycarbonate + ABS**

## General Information

### Product Description

Polycarbonate + ABS with high impact.

**FEATURES**

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

**ADDITIONAL FORMULAS**

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

**COLOR**

- All
- Opaque/Translucent

### General

<b>Typical Applications</b>	-Appliance, lawn & garden, automotive, electronics, medical devices, spools, housings
<b>Processing Method</b>	-Injection
<b>Form(s)</b>	-Pellets
<b>Availability</b>	-North America, Europe, Asia, Latin America

## ASTM / ISO Properties<sup>1</sup>

### Physical

	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (260°C/5.0kg)	25	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	335,0000	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