



TRIVALENCE

TriVALOY 23SU

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Polycarbonate + ASA

General Information

Product Description

Polycarbonate + ASA with great weatherability.

FEATURES

- Excellent UV Performance
- Great Impact
- Chemical Resistant
- ROHS/REACH Compliant
- Medium Flow

ADDITIONAL FORMULAS

- Added Release "R"

COLOR

- All
- Opaque/Translucent

-High Gloss

General

Typical Applications

-Appliance, lawn & garden, automotive, electronics, enclosures.

Processing Method

-Injection

Form(s)

-Pellets

Availability

-North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical

	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ASTM D792
Melt Flow Rate (260°C/5.0kg)	18	g/10min	ASTM D1238
Melt Flow Rate (220°C/10.0kg)	7	g/10min	ASTM D1239
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	8200	psi	ASTM D638
Tensile Elongation, brk	130	%	ASTM D638
Flexural Modulus	362000	psi	ASTM D790
Notched Izod Impact	9	ft-lbs/in	ASTM D256
Rockwell Hardness	110	R-Scale	ASTM D785

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	230	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	215	°F	ASTM D648
Vicat Softening Temperature	228	°F	ASTM D1525
CLTE - Flow	4.0E-5	in/in/°F	ASTM E831

Flammability

	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance

Drying Temperature	190 to 200	°F
Drying Time	3 to 4	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	480 to 520	°F
Mold Temperature	130 to 160	°F

¹

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.