



TRIVALENCE

TriVOL 23 (U,R,N)

Polypropylene Copolymer

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General Information

Product Description

General purpose, impact modified, copolymer PP.

FEATURES

- Good Impact Copolymer
- Cold Temperature Ductility
- Medium Flow

ADDITIONAL FORMULAS

- Added Release "R"
- Additional UV "U"
- Nucleated "N"

COLOR

- All
- Opaque

General

- Typical Applications** -Automotive, sporting goods, packaging, consumer goods.
- Processing Method** -Injection
- Form(s)** -Pellets
- Availability** -North America, Europe, Asia

ASTM / ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	0.91	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	12	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.2 to 1.5	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	3700	psi	ASTM D638
Tensile Elongation, brk	>200	%	ASTM D638
Flexural Modulus	155000	psi	ASTM D790
Notched Izod Impact	3.0	ft-lbs/in	ASTM D256
Hardness, Shore D	80	D-Scale	ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	190	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance

- Drying Temperature 150 to 175 °F
- Drying Time 2 to 4 Hours
- Suggested Max Moisture 0.02 %
- Processing Melt Temperature 410 to 470 °F
- Mold Temperature 80 to 140 °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.