



TRIVALENCE

TriVOL 02 (U,R,N)

Polypropylene Copolymer

General Information

Product Description

General purpose, impact modified, copolymer PP.

FEATURES

- Impact Copolymer
- Cold Temperature Ductility
- Low 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	0.92	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	2	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	4400	psi	ASTM D638
Tensile Elongation, brk	>200	%	ASTM D638
Flexural Modulus	200,000	psi	ASTM D790
Notched Izod Impact	2	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)	210	°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