



TRIVALENCE

TriVOL 23 (U,R,N)

Polypropylene Copolymer

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 Properties ¹

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

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|-----------------------------|---------------|
| 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 |