



TRIVALENCE

TriVOL 13 (U,R,N)

Polypropylene Copolymer

General Information

Product Description

General purpose, impact modified, copolymer PP.

FEATURES

- Great Impact
- Cold Temperature Ductility
- Lower Flow

ADDITIONAL FORMULAS

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

COLOR

- All
- Opaque

General

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

ASTM / ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.89	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	7	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.3 to 1.6	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	3000	psi	ASTM D638
Tensile Elongation, yld	>7	%	ASTM D638
Flexural Modulus	140000	psi	ASTM D790
Notched Izod Impact	7	ft-lbs/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	170	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 - TVT Internal

Recommended Processing Guidance	Nominal Value	Unit
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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 |