



**TRIVALENCE**

# TriVOL 31 (U,R,N)

**Polypropylene Homopolymer**

General Information
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Product Description
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General purpose, Homopolymer PP.

**FEATURES**

- Good Strength
- Good Stiffness
- High Flow

**ADDITIONAL FORMULAS**

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

**COLOR**

- All
- Opaque

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

ASTM / ISO Properties <sup>1</sup>
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Physical	Nominal Value	Unit	Test Method
Density	0.91	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (230°C/2.16kg)	30	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.5 to 1.8	%	TVT Internal
Outdoor Suitability (QUV) ("U" Grades)	Pass		TVT Internal

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	4900	psi	ASTM D638
Tensile Elongation, yld	>5	%	ASTM D638
Flexural Modulus	225,000	psi	ASTM D790
Notched Izod Impact	0.7	ft-lbs/in	ASTM D256
Hardness, Shore D	65	D-Scale	ASTM D2240

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	219	°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