



**TRIVALENCE**

# TriVOL 12T10

**Polypropylene**

General Information
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Product Description
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Copolymer PP with talc reinforcement and EPDM

**FEATURES**

- Copolymer
- 10% Talc Reinforced
- RoHS/REACH Compliant
- Low Flow

**ADDITIONAL FORMULAS**

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

**COLOR**

-All

General
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|-----------------------------|--|
| <b>Typical Applications</b> | -Appliance, electrical, lawn & garden, automotive, packaging, industrial |
| <b>Processing Method</b>    | -Injection   |
| <b>Form(s)</b>              | -Pellets   |
| <b>Availability</b>         | -North America, Europe, Asia, Latin America                              |

ASTM / ISO Properties <sup>1</sup>
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Physical	Nominal Value	Unit	Test Method
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Density	0.99	g/cm <sup>3</sup>	ISO 1183
Melt Flow Rate (230°C/2.16kg)	4	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.7	%	TVT Internal
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal

Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength, yld	18	MPa	ISO 527
Tensile Elongation	>50	%	ISO 527
Flexural Modulus	1080	MPa	ISO 178
Notched Izod Impact	25.0	kJ/m <sup>2</sup>	ISO 180A
Shore Hardness	60	D-Scale	ISO 868

Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load (0.45 MPa)	110	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	62	°C	ISO 75
Vicat Softening Temperature	116	°C	ISO 306

Flammability	Nominal Value	Unit	Test Method
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0.06 in	HB		UL94 TVT Internal
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Recommended Processing Guidance	Nominal Value	Unit
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Drying Temperature	65 to 80	°C
Drying Time	2 to 3	Hours
Suggested Max Moisture	0.05	%
Processing Melt Temperature	190 to 220	°C
Mold Temperature	20 to 70	°C