



TRIVALENCE

Headquarters
3290 Claremont Ave
Evansville, IN 47712
800.209.2517

TriVOL 21T40 (U,R)

trivalence.biz

Polypropylene

General Information

Product Description

Polypropylene, homopolymer, talc reinforced

FEATURES

- High Flow
- Homopolymer
- 40% Talc Reinforced
- Good Structural Strength
- RoHS/REACH Compliant
- Low Warpage

ADDITIONAL FORMULAS

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

COLOR

- All

General

Typical Applications

-Appliance, electrical, lawn & garden, automotive, packaging, industrial

Processing Method

-Injection/Extrusion

Form(s)

-Pellets

Availability

-North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical

Nominal Value Unit

Test Method

Density	1.25 g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	12 g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.7 to 1.0 %	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	>5 %	ASTM D638
Flexural Modulus	480000 psi	ASTM D790
Notched Izod Impact	0.6 ft-lbs/in	ASTM D256

Thermal

Nominal Value Unit

Test Method

Deflection Temperature Under Load (1.8 MPa)	180 °F	ASTM D648
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Flammability

Nominal Value Unit

Test Method

3.2 mm	HB	TVT Internal
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Recommended Processing Guidance

Nominal Value Unit

Drying Temperature	140-180 °F
Drying Time	1 to 3 Hours
Suggested Max Moisture	0.05 %
Processing Melt Temperature	380 to 440 °F
Mold Temperature	80 to 140 °F

¹ Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.