



TRIVALENCE
TriVOL 22T10

Polypropylene

General Information

Product Description

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

- Typical Applications** -Appliance, electrical, lawn & garden, automotive, packaging, industrial
- Processing Method** -Injection
- Form(s)** -Pellets
- Availability** -North America, Europe, Asia, Latin America

ASTM / ISO Properties¹

Physical

	Nominal Value	Unit	Test Method
Density	0.99	g/cm ³	ISO 1183
Melt Flow Rate (230°C/2.16kg)	12	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
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 ²	ISO 180A
Shore Hardness	60	D-Scale	ISO 868

Thermal

	Nominal Value	Unit	Test Method
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
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance

	Nominal Value	Unit
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