



TRIVALENCE

TriVOL 12T10

Polypropylene

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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)	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
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	

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.