



TRIVALENCE

TriVET™ 12CP
Proprietary Copolyester

General Information

Product Description

Proprietary copolyester

FEATURES

- Great Clarity
- Chemical Resistance
- RoHS/REACH Compliant
- Medium Flow

-Good Impact

ADDITIONAL FORMULAS

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

COLOR

-All

General

Typical Applications

-Small appliance, electrical, lawn & garden, potables, food contact

Processing Method

-Injection

Form(s)

-Pellets

Availability

-North America, Europe, Latin America

ASTM / ISO Properties¹

Physical

	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ASTM D792
Melt Flow Rate	3	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	0.3 to 0.6	%	ASTM D955
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal

Mechanical

	Nominal Value	Unit	Test Method
Tensile Strength, yld	8,800	psi	ASTM D638
Flexural Modulus	250000	psi	ASTM D790
Notched Izod Impact, 73F	14.0	ft-lb/in	ASTM D256

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	210	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	185	°F	ASTM D648

Flammability

	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance

Drying Temperature	180 to 200	°F	
Drying Time	4 to 6	Hours	
Suggested Max Moisture	0.02	%	
Processing Melt Temperature	530 to 540	°F	**Allow extra time to cure
Mold Temperature	120 to 150	°F	