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TRIVALENCE

TriVET 12CP

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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	

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.