TriVET™ 14BP (U,R)
Polybutylene Terephthalate + PC

General Information

Product Description
PBT + PC, impact modified

FEATURES	ADDITIONAL FORMULAS	COLOR
-Superior Impact (Ambient and Cold)	-Added Release "R"	-All
-Chemical Resistance	-Added UV "U"	
-RoHS/REACH Compliant		
-Low to Medium Flow		

General
Typical Applications	-Appliance, electrical, lawn & garden, transportation
Processing Method	-Injection/Extrusion
Form(s)	-Pellets
Availability	-North America, Europe, Latin America

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	ASTM D792
Melt Flow Rate (260°C/2.16kg)	10	g/10min	ASTM D1238
Molding Shrinkage - Flow (3.2mm)	1.5 to 1.8	%	ASTM D955
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength, yld	6,400	psi	ASTM D638
Tensile Elongation	>160	%	ASTM D638
Flexural Modulus	260,000	psi	ASTM D790
Notched Izod Impact, 73F	15.0	ft-lb/in	ASTM D256
Notched Izod Impact, -22F	10.0	ft-lb/in	ASTM D256
Rockwell Hardness	110.0	R-Scale	ASTM D785

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	195	°F	ASTM D648
Deflection Temperature Under Load (1.8 MPa)	122	°F	ASTM D648
CLTE - Flow	5.1E-5	in/in/°F	ASTM E831

Flammability	Nominal Value	Unit	Test Method
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance

Drying Temperature	220 to 240	°F
Drying Time	3 to 6	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	470 to 510	°F
Mold Temperature	120 to 170	°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.