TriVET™ 11B (U,R)

Polybutylene Terephthalate

General Information

Product Description

Low flow, high IV, modified PBT.

FEATURES		ADDITIONAL FORMULAS	COLOR
-1.20IV	-High Molecular Weight	-Added Release "R"	-All
-Good strength		-Added UV "U"	
-Good Chemical Resistance			
-Low Flow			

General

Typical Applications	-Transportation, housing, electrical
Processing Method	-Injection/Extrusion
Form(s)	-Pellets
Availability	-North America, Europe, Asia, Latin America

ASTM / ISO Properties[1]

Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm³	ISO 1183
Melt Flow Rate (250°C/2.16kg)	10	g/10min	ISO 1133
Molding Shrinkage - Flow (3.2mm)	1.8 to 2.0	%	TVT Internal
Outdoor Suitability - QUV ("U" grades only)	Pass		QUV - TVT Internal
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength, yld	58	MPa	ISO 527
Tensile Modulus	2500	MPa	ISO 178
Charpy Notched Impact	3.4	kJ/m2	ISO 179
Rockwell Hardness	70	M-Scale	ISO 2039
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa)	301	°F	ISO 75
Deflection Temperature Under Load (1.8 MPa)	122	°F	ISO 75
Vicat Softening Temperature	364	°F	ISO 75
CLTE - Flow	6.1E-5	in/in/°F	ASTM E831
Flammability	**Nominal Value**	**Unit**	**Test Method**
0.06 in	HB		UL94 TVT Internal

Recommended Processing Guidance		
Drying Temperature	110 to 130	°C
Drying Time	3 to 6	Hours
Suggested Max Moisture	0.02	%
Processing Melt Temperature	240 to 275	°C
Mold Temperature	60 to 90	°C