



TriVET™ 31B (U,R) Polybutylene Terephthalate

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Product Description

Medium flow, modified PBT.

FEATURES

ADDITIONAL FORMULAS -1.00IV -High Molecular Weight -Added Release "R"

-Good strength -Added UV "U"

-Good Chemical Resistance

-Medium Flow

General

Typical Applications -Transportation, housing, electrical

Processing Method -Injection Form(s) -Pellets

Availability -North America, Europe, Asia, Latin America

ASTM / ISO Properties ¹			
Physical	Nominal Value Unit	Test Method	
Density	1.31 g/cm ³	ISO 1183	
Melt Flow Rate (250°C/2.16kg)	60 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 Technology	Nominal Value Unit	Test Method	
Tensile Strength, yld	58 MPa	ISO 527	
Tensile Modulus	2400 MPa	ISO 178	
Charpy Notched Impact	3.1 kJ/m2	ISO 179	
Rockwell Hardness	70 M-Scale	ISO 2039	
hermal	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	
lammability	Nominal Value Unit	Test Method	
0.06 in	НВ	UL94 TVT Internal	
ecommended Processing Guidance			

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

Note: The values listed on this guide are typical values based on general molding conditions and used solely for the purpose or 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.