

# Elastoblend® PBT GF33 IM

Polybutylene Terephthalate

TP Composites, Inc.

## Technical Data

### General

Filler / Reinforcement	• Glass Fiber Reinforcement, 33% Filler by Weight
Additive	• Impact Modifier
Features	• Impact Modified
Forms	• Pellets

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.52 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 %	ASTM D955
Water Absorption (24 hr)	0.050 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	117 MPa	ASTM D638
Tensile Elongation (Break)	2.5 %	ASTM D638
Flexural Modulus	7580 MPa	ASTM D790
Flexural Strength (Yield)	172 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (6.35 mm)	130 J/m	ASTM D256
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	118	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	224 °C	
1.8 MPa, Unannealed	206 °C	
CLTE - Flow	0.000025 cm/cm/°C	ASTM D696
Flammability	Nominal Value Unit	Test Method
Flame Rating (1.50 mm)	HB	UL 94

