



PoliPIR PBTGF-3300FR

PBT, 30% Fiberglass Reinforced Black Pellets, Flame Retardant

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.47 g/cc	1.47 g/cc	D792
Melt Flow Rate (2.16 kg, 250 °C)	15 g/10min	15 g/10min	D1238
Ash (mineral)	30%	30%	D2584
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	14,750 psi	53 MPa	ISO 527
Tensile Strain (Break)	3%	3%	ISO527
Flexural Modulus	1,100,000 psi	2,234 MPa	ISO 178
Flex Strength	24,000 psi	77 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength 23°C	1.2 ft-lb/in	3.8 kJ/m²	ISO 180
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature	437 °F	225°C	ISO 11357

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