



# PoliPIR PA6GF-3331

PA6, 33% Fiberglass Reinforced Black Pellets, HS

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.38 g/cc	1.38g/cc	D792
Melt Flow Rate (2.16 kg, 235 °C)	65g/10min	65 g/10min	D1238
Ash (mineral)	33%	33%	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	21,000 psi	145 MPa	ISO 527
Tensile Strain (Break)	3%	3%	ISO527
Flexural Modulus	1,012,500 psi	6,980 MPa	ISO 178
Flex Strength	28,000 psi	193 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength 23°C	1.3 ft-lb/in	7.0 kJ/m <sup>2</sup>	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature	428 °F	220 °C	ISO 11357

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