



PoliPIR PA6GM-3400

PA6, 40% Mineral/Fiberglass Reinforced Black Pellets, HS

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.47/cc	1.47/cc	D792
Melt Flow Rate (2.16 kg, 235 °C)	65g/10min	65 g/10min	D1238
Ash (mineral)	40%	40%	D2584

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	21,000 psi	145MPa	ISO 527
Tensile Strain (Break)	2.2%	2.2%	ISO527
Flexural Modulus	1,240,000 psi	8,550MPa	ISO 178
Flex Strength	27,450 psi	189MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength 23°C	0.75 ft-lb/in	4.0 kJ/m²	ISO 180

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

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