



PoliPIR PPCGF-3300

PPC, 30% Fiberglass Reinforced Black Pellets

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-------------------------------------|-------------------------|--------------------|-------------|
| Specific Gravity | 1.14g/cc | 1.14g/cc | D792 |
| Melt Flow Rate (2.16 kg, 230 °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) | 8,700 psi | 60 MPa | ISO 527 |
| Tensile Strain (Break) | 5% | 5% | ISO527 |
| Flexural Modulus | 700,000 psi | 4826 MPa | ISO 178 |
| Flex Strength | 11,000 psi | 76 MPa | ISO 178 |

| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact Strength 23°C | 1.2 ft-lb/in | 6.3 kJ/m² | ISO 180 |

| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Melting Temperature | 324 °F | 162 °C | ISO 11357 |

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