



PoliSav PBTMG-4201

20% Mineral Filled PBT Resin, Grey

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-------------------------------------|-------------------------|--------------------|-------------|
| Specific Gravity | 1.45 g/cc | 1.45 g/cc | D792 |
| Melt Flow Rate (2.16 kg, 250 °C) | 10 g/10min | 10 g/10min | D1238 |
| Ash | 20% | 20% | D2584 |

| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (Break) | 13,800 psi | 95 MPa | ISO 527 |
| Tensile Strain (Break) | 3% | 3% | ISO527 |
| Flexural Modulus | 870,225 psi | 6,000 MPa | ISO 178 |
| Flex Strength | 23,200 psi | 160 MPa | ISO 178 |

| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------|-------------------------|---------------------|-------------|
| Notched Izod Impact Strength 23°C | .94 ft-lb/in | 5 kJ/m ² | ISO 180 |

| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Melting Temperature | 437 °F | 225 °C | ISO 11357 |

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