



PoliPIR ABS-3000

ABS, Unfilled, Utility Grade, Black

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-------------------------------------|-------------------------|--------------------|-------------|
| Specific Gravity | 1.06 g/cc | 1.06 g/cc | D792 |
| Melt Flow Rate (3.80 kg, 230 °C) | 8g/10min | 8g/10min | D1238 |
| Ash (mineral) | - | - | D2584 |

| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (Break) | 6,000 psi | 41 MPa | ISO 527 |
| Tensile Strain (Break) | 2% | 3% | ISO527 |
| Flexural Modulus | 300,000 psi | 2,068 MPa | ISO 178 |
| Flex Strength | 9,000 psi | 62 MPa | ISO 178 |

| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------|-------------------------|------------------------|-------------|
| Notched Izod Impact Strength 23°C | 2.0 ft-lb/in | 10.7 kJ/m ² | ISO 180 |

| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Melting Temperature | - | - | ISO 11357 |

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