



PoliXL™ PPCT30BK

PPC, 30% Talc Reinforced, Black, Heat Stabilized

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------------------|-------------------------|--------------------|-------------|
| Specific Gravity | 1.14 g/cc | 1.14 g/cc | D792 |
| Mold Shrinkage | | | D955 |
| Parallel: 23 °C | 1.1 % - 1.3 % | 1.1 % - 1.3 % | |
| Perpendicular: 23°C | 1.2 % - 1.4 % | 1.2 % - 1.4 % | |
| Melt Flow Rate (2.16kg, 230 °C) | 10 g/10min | 10 g/10min | D1238 |
| Ash (Filler) | 30 % | 30 % | D2584 |

| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (Break) | 3,900 psi | 27 MPa | ISO 527 |
| Tensile Strain (Break) | 5 % | 5 % | ISO 527 |
| Flexural Modulus | 270,000 psi | 1,860 MPa | ISO 178 |
| Flex Strength | 4,500 psi | 31 MPa | ISO 178 |

| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|-----------------------|-------------|
| Charpy Notched Impact Strength 23 °C | - | - | ISO 179 |
| Charpy Unnotched Impact Strength 23°C | - | - | ISO 179 |
| Notched Izod Impact Strength 23°C | 1 ft-lb/in | 5.5 kJ/m ² | ISO 180 |

| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|--------------------|-------------|
| Heat Deflection Temperature 0.45 MPa Unannealed | - | - | ISO 75 |
| 1.8 MPa Unannealed | 147 °F | 64 °C | |
| Melting Temperature | 324 °F | 162 °C | DSC |

| Flammability | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------|-------------------------|--------------------|-------------|
| 0.71 mm | - | - | UL94 |
| 1.50 mm | HB | HB | UL94 |
| 3.00 mm | - | - | UL94 |



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