

PlusTek PA4803BK10

(PA66+PTFE)

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.2 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2000 | MPa | ISO 527 |
| Tensile Strength | 52 | MPa | ISO 527 |
| Yield strain | 13 | % | ISO 527 |
| Izod notched impact strength, +23°C | 13 | kJ/m ² | ISO 180/1A |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Water absorption | 7 | % | Sim. to ISO 62 |
| Humidity absorption | 2.1 | % | Sim. to ISO 62 |
| Density | 1150 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 - 8 | h | - |
| Processing humidity | ≤0.15 | % | - |
| Mold temperature | 60 - 90 | °C | - |
| Feed temperature | 60 - 70 | °C | - |
| Zone 1 | 260 - 270 | °C | - |
| Zone 2 | 260 - 270 | °C | - |
| Zone 3 | 260 - 270 | °C | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Black

Certifications

RoHS compliant

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa