

PlusTek PA831BK10

PA66

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.2 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 2800 | MPa | ISO 527 |
| Tensile Strength | 65 | MPa | ISO 527 |
| Yield strain | 6.1 | % | ISO 527 |
| Izod notched impact strength, +23°C | 20 | kJ/m ² | ISO 180/1A |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 65 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 190 | °C | ISO 75-1/-2 |
| Other properties | | | |
| Water absorption | 8 | % | Sim. to ISO 62 |
| Humidity absorption | 2 | % | Sim. to ISO 62 |
| Density | 1100 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| 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

Delivery form

Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

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