

PlusTek PA108YL12

PA66

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 | 3000 | MPa | ISO 527 |
| Tensile Strength | 80 | MPa | ISO 527 |
| Yield strain | 4.4 | % | ISO 527 |
| Izod notched impact strength, +23°C | 5.4 | kJ/m ² | ISO 180/1A |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Water absorption | 9 | % | Sim. to ISO 62 |
| Humidity absorption | 3 | % | Sim. to ISO 62 |
| Density | 1140 | 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 | 70 - 120 | °C | - |
| Feed temperature | 60 - 70 | °C | - |
| Zone 1 | 265 - 280 | °C | - |
| Zone 2 | 270 - 300 | °C | - |
| Zone 3 | 280 - 300 | °C | - |

Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

Regional Availability

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