

PlusTek PB826G3NT

PA6-GF15

Polyram

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.3 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.8 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|--------------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 4800 / 3200 | MPa | ISO 527 |
| Tensile Strength | 95 / 64 | MPa | ISO 527 |
| Strain at break | 3.8 / 4.4 | % | ISO 527 |
| Flexural modulus, 23°C | 4100 / 2100 | MPa | ISO 178 |
| Flexural strength | 155 / 90 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 17 / 28 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 12.5 / - | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 18 / - | kJ/m ² | ISO 180/1A |

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| Water absorption | 6.5 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2 / * | % | Sim. to ISO 62 |
| Density | 1180 / - | 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 | 55 - 90 | °C | - |
| Feed temperature | 60 - 80 | °C | - |
| Zone 1 | 230 - 240 | °C | - |
| Zone 2 | 230 - 240 | °C | - |
| Zone 3 | 230 - 270 | °C | - |

Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

Delivery form

Natural Color

Regional Availability

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

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather