

PlusTek PATH501G6BK10

PA6T/66-GF30

Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-----------|-------------------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.1 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.9 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 13000 | MPa | ISO 527 |
| Tensile Strength | 170 | MPa | ISO 527 |
| Strain at break | 2 | % | ISO 527 |
| Charpy impact strength, +23°C | 52 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 9.5 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 278 | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Other properties | | | |
| Density | 1440 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 - 12 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Mold temperature | 100 - 140 | °C | - |
| Feed temperature | 80 - 100 | °C | - |
| Zone 1 | 300 - 320 | °C | - |
| Zone 2 | 300 - 325 | °C | - |
| Zone 3 | 300 - 325 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free, Heat stabilized or stable to heat

Applications

Automotive, Electrical and Electronical

Regional Availability

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