

PENTAMID AHT GV30 H RC black

(PA46+PA66)-GF30

Pentac Polymer GmbH

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|--------------------|--------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.7 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 8900 / 5750 | MPa | ISO 527 |
| Stress at break | 180 / 110 | MPa | ISO 527 |
| Strain at break | 4 / 8 | % | ISO 527 |
| Charpy impact strength, +23°C | 50 / 80 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 10 / 15 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 285 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 265 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 280 / * | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |
| Other properties | | | |
| ISO Data | | | |
| Water absorption | 7.5 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2 / * | % | Sim. to ISO 62 |
| Density | 1410 / - | kg/m ³ | ISO 1183 |
| Material specific properties | | | |
| ISO Data | | | |
| Viscosity number | 130 / * | cm ³ /g | ISO 307, 1157, 1628 |
| Processing Recommendation Injection Molding | | | |
| ISO Data | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 12 | h | - |
| Processing humidity | ≤0.09 | % | - |
| Mold temperature | 80 - 120 | °C | - |
| Feed temperature | 80 | °C | - |
| Zone 1 | 295 | °C | - |
| Zone 2 | 305 | °C | - |
| Zone 3 | 310 | °C | - |
| Zone 4 | 315 | °C | - |
| Zone 5 | 310 | °C | - |

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content, RoHS compliant

Delivery form

Pellets, Black

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat