

AUROmid® PA6 GF25 black

PA6-GF25

Aurora Kunststoffe GmbH

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.3 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.7 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|--------------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 6500 / 4500 | MPa | ISO 527 |
| Stress at break | 120 / 85 | MPa | ISO 527 |
| Strain at break | 5 / 12 | % | ISO 527 |
| Charpy impact strength, +23°C | 60 / 70 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 7 / 14 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 6 / - | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|---|---------------------------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| Burning behav. at 1.5 mm nom. thickn. Thickness tested | HB / * 1.5 / * | class mm | IEC 60695-11-10 - |

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| Water absorption | 7.1 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2.2 / * | % | Sim. to ISO 62 |
| Density | 1310 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Melt temperature | 260 - 280 | °C | - |
| Mold temperature | 80 - 120 | °C | - |

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Delivery form

Pellets, Black

Regional Availability

Europe