# AKROMID® A3 GF 15 1 L black (4673)

(PA66+PP)-GF15 Akro-Plastic GmbH

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Molding shrinkage, parallel | **1.0 / *** | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | **1.0 / *** | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | **5300 / 4000** | MPa | ISO 527 |
| Stress at break | **110 / 75** | MPa | ISO 527 |
| Strain at break | **3.4 / 5.3** | % | ISO 527 |
| Charpy impact strength, +23°C | **68 / 56** | kJ/m² | ISO 179/1eU |
| Charpy impact strength, -30°C | **61 / 61** | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | **10 / 10** | kJ/m² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | **7 / 7** | kJ/m² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Melting temperature, 10°C/min | **262 / *** | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | **240 / *** | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | **HB / *** | class | IEC 60695-11-10 |
| Thickness tested | **0.8 / *** | mm | - |
| Glow Wire Flammability Index (GWFI) | **700** | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | **0.8** | mm | - |
| Glow Wire Ignition Temperature (GWIT) | **725** | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | **0.8** | mm | - |

| Other properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| Density | **1140 / -** | kg/m³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Melt temperature | **320** | °C | - |
| Mold temperature | **100** | °C | - |
| Injection pressure | **75** | MPa | - |

## Characteristics

**Processing**
Injection Molding

**Applications**
Automotive, Electrical and Electronical

**Delivery form**
Black

**Regional Availability**
Europe, Asia Pacific

**Special Characteristics**
Heat stabilized or stable to heat