

AKROMID® A3 GK 40 1 black (1804)

PA66-GB40

Akro-Plastic GmbH

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.0 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.2 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 5500 | MPa | ISO 527 |
| Stress at break | 95 | MPa | ISO 527 |
| Strain at break | 6 | % | ISO 527 |
| Flexural modulus, 23°C | 5800 | MPa | ISO 178 |
| Flexural strength | 145 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 25 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 3 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 120 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 230 | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | 1E13 | Ohm*m | IEC 62631-3-1 |
| Comparative tracking index | 500 | - | IEC 60112 |
| Other properties | | | |
| Water absorption | 5.1 | % | Sim. to ISO 62 |
| Density | 1440 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Melt temperature | 320 | °C | - |
| Mold temperature | 100 | °C | - |
| Injection pressure | 75 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Features

Low Warpage

Regional Availability

Europe, Asia Pacific