

AKROMID® T5 GF 40 black (6486)

PPA-GF40

Akro-Plastic GmbH

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|---------------------------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.6 / * | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 16000 / 16000 | MPa | ISO 527 |
| Stress at break | 245 / 230 | MPa | ISO 527 |
| Strain at break | 2.4 / 2.4 | % | ISO 527 |
| Flexural modulus, 23°C | 15600 / 15000 | MPa | ISO 178 |
| Flexural strength | 380 / 350 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 80 / 80 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 73 / 73 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 11 / 11 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 10 / 10 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 325 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 280 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 8.00 MPa | 220 / * | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. Thickness tested | HB / * 1.6 / * | class mm | IEC 60695-11-10 - |
| Electrical properties | | | |
| ISO Data | | | |
| Comparative tracking index | 600 / - | - | IEC 60112 |
| Other properties | | | |
| Density | 1500 / - | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Melt temperature | 340 | °C | - |
| Mold temperature | 130 | °C | - |
| Injection pressure | 75 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe, Asia Pacific