

AKROMID® B3 GF 30 1 L black (4365)

(PA6+PP)-GF30

Akro-Plastic GmbH

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|------------------------|----------------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 18 / * | cm ³ /10min | ISO 1133 |
| Temperature | 275 / * | °C | - |
| Load | 5 / * | kg | - |
| Molding shrinkage, parallel | 0.2 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.6 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|-------------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 8800 / 6800 | MPa | ISO 527 |
| Stress at break | 140 / 105 | MPa | ISO 527 |
| Strain at break | 3 / 4.5 | % | ISO 527 |
| Flexural modulus, 23°C | 8800 / 6200 | MPa | ISO 178 |
| Flexural strength | 215 / 155 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 70 / 67 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 56 / 55 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 15 / 16 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 15 / 13 | kJ/m ² | ISO 179/1eA |
| Ball indentation hardness | 170 / - | MPa | ISO 2039-1 |

| Thermal properties | dry / cond | Unit | Test Standard |
|---|-------------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 200 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 217 / * | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 17 / * | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 134 / * | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |
| Glow Wire Flammability Index (GWFI) | 650 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 0.8 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 675 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 0.8 | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|------------------------------|-------------------|-------------|----------------------|
| ISO Data | | | |
| Comparative tracking index | 600 / - | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| Density | 1260 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| Melt temperature | 270 | °C | - |
| Mold temperature | 80 | °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