

AKROMID® A3 GF 30 S1 black (3723)

PA66-GF30

Akro-Plastic GmbH

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 9000 | MPa | ISO 527 |
| Stress at break | 180 | MPa | ISO 527 |
| Strain at break | 3.5 | % | ISO 527 |
| Flexural modulus, 23°C | 8000 | MPa | ISO 178 |
| Flexural strength | 255 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 90 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 80 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 13 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 9 | kJ/m ² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 250 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 8.00 MPa | 210 | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1350 | kg/m ³ | 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

Delivery form

Black

Regional Availability

Europe, Asia Pacific

Special Characteristics

High impact or impact modified