

**AKROMID® A3 GF 35-1 black (4834)**

PA66-GF35

Akro-Plastic GmbH

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.2 / *</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.8 / *</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>12000 / 9000</b>	MPa	ISO 527
Stress at break	<b>215 / 145</b>	MPa	ISO 527
Strain at break	<b>3 / 4.6</b>	%	ISO 527
Flexural modulus, 23°C	<b>11000 / -</b>	MPa	ISO 178
Flexural strength	<b>300 / -</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>75 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>12 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>262 / *</b>	°C	ISO 11357-1/-3

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1400 / -</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt temperature	<b>320</b>	°C	-
Mold temperature	<b>100</b>	°C	-
Injection pressure	<b>75</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive

**Delivery form**

Black

**Regional Availability**

Europe, Asia Pacific

**Special Characteristics**

Heat stabilized or stable to heat