

**AKROMID® A3 GF 50 6 black (6860)**

PA66-GF50

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>0.6 / *</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>18000 / 14000</b>	MPa	ISO 527
Stress at break	<b>250 / 180</b>	MPa	ISO 527
Strain at break	<b>2.7 / 3.7</b>	%	ISO 527
Charpy impact strength, +23°C	<b>105 / 110</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>19 / 23</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>262 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>260 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>260 / *</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6 / *</b>	mm	-
<b>Other properties</b>			
Water absorption	<b>4.3 / *</b>	%	Sim. to ISO 62
Density	<b>1570 / -</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</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