

**AKROMID® B+ GF 50 1 (7281)**

PA6-GF50...

Akro-Plastic GmbH

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>16500 / 10100</b>	MPa	ISO 527
Stress at break	<b>231 / 164</b>	MPa	ISO 527
Strain at break	<b>3.4 / 5.1</b>	%	ISO 527
Charpy impact strength, +23°C	<b>100 / 110</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>22 / 28</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>18 / 22</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>230 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>218 / *</b>	°C	ISO 75-1/-2

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1560 / -</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>270</b>	°C	-
Mold temperature	<b>80</b>	°C	-
Injection pressure	<b>75</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe, Asia Pacific

**Applications**

Automotive