

**AKROMID® B+ GF 30 6 black (7387)**

PA6-GF30

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
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
<b>ISO Data</b>			
Tensile Modulus	9500 / 6000	MPa	ISO 527
Stress at break	180 / 118	MPa	ISO 527
Strain at break	3.6 / 9	%	ISO 527
Flexural modulus, 23°C	9200 / -	MPa	ISO 178
Flexural strength	270 / -	MPa	ISO 178
Charpy impact strength, +23°C	86 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	72 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	14 / 19	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	11 / 11	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	218 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	19 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	114 / *	E-6/K	ISO 11359-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	1350 / -	kg/m <sup>3</sup>	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

**Delivery form**

Black

**Regional Availability**

Europe, Asia Pacific

**Special Characteristics**

Heat stabilized or stable to heat