

**AKROMID® B3 GF 30 S3 black (3954)**

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	9000 / 5500	MPa	ISO 527
Stress at break	160 / 110	MPa	ISO 527
Strain at break	5.5 / 12	%	ISO 527
Flexural modulus, 23°C	8000 / -	MPa	ISO 178
Flexural strength	250 / -	MPa	ISO 178
Charpy impact strength, +23°C	100 / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	100 / N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	25 / 50	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	15 / 15	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°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	dry / cond	Unit	Test Standard
Density	1330 / -	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

**Delivery form**

Black

**Special Characteristics**

High impact or impact modified

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

Europe, Asia Pacific