

AKROMID® B+ GF 60 1 black (7381)

PA6-GF60

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	22000 / 13000	MPa	ISO 527
Stress at break	260 / 170	MPa	ISO 527
Strain at break	2.8 / 4.5	%	ISO 527
Flexural modulus, 23°C	22000 / -	MPa	ISO 178
Flexural strength	425 / -	MPa	ISO 178
Charpy impact strength, +23°C	100 / -	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	105 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	21 / 24	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	19 / 20	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	218 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	218 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	190 / *	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	1690 / -	kg/m ³	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