

AKROMID® B3 GF 40 black (6077)

PA6-GF40

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	13000 / 7800	MPa	ISO 527
Stress at break	205 / 140	MPa	ISO 527
Strain at break	4 / 7	%	ISO 527
Flexural modulus, 23°C	12600 / -	MPa	ISO 178
Charpy impact strength, +23°C	110 / 106	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	105 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 30	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	15 / -	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

Other properties	dry / cond	Unit	Test Standard
Density	1460 / -	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