

AKROMID® B28 LGF 50 1 black (5457)

PA6-GF50

Akro-Plastic GmbH

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	18500	MPa	ISO 527
Stress at break	275	MPa	ISO 527
Strain at break	2	%	ISO 527
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	47	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 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	Value	Unit	Test Standard
Density	1560	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

Delivery form

Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Features

Fatigue Resistance, Long fiber reinforced

Applications

Automotive

Regional Availability

Europe, Asia Pacific