

AKROMID® A3 GF 30 1 S3 black (3502)

PA66-GF30

Akro-Plastic GmbH

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8000	MPa	ISO 527
Stress at break	170	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus, 23°C	8200	MPa	ISO 178
Flexural strength	270	MPa	ISO 178
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	110	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	17	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	12	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	262	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	245	°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	1340	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	320	°C	-
Mold temperature	100	°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

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe, Asia Pacific