

AKROMID® B28 GF 50 black (5746)

PA6-GF50

Akro-Plastic GmbH

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	16200 / 9500	MPa	ISO 527
Stress at break	235 / 150	MPa	ISO 527
Strain at break	3 / 4.5	%	ISO 527
Flexural modulus, 23°C	15000 / -	MPa	ISO 178
Charpy impact strength, +23°C	110 / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 25	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
Coeff. of linear therm. expansion, parallel	13 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90 / *	E-6/K	ISO 11359-1/-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	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

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

Europe, Asia Pacific