

AKROMID® B3 GF 50 9 RM-M black (3147)

PA6-GF50...

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	17500 / 13000	MPa	ISO 527
Stress at break	215 / 145	MPa	ISO 527
Strain at break	2.4 / 3	%	ISO 527
Flexural modulus, 23°C	17200 / -	MPa	ISO 178
Flexural strength	330 / -	MPa	ISO 178
Charpy impact strength, +23°C	70 / 70	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	60 / 60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / 20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	16 / 20	kJ/m ²	ISO 179/1eA
Ball indentation hardness	280 / -	MPa	ISO 2039-1

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	225 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	165 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	1610 / -	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, Electrical and Electronical

Delivery form

Black

Regional Availability

Europe, Asia Pacific