AKROMID® B3 GF 50 4 RM-M black (3221)

PA6-GF50... 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	**0.5 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**16500 / -**	MPa	ISO 527
Stress at break	**210 / -**	MPa	ISO 527
Strain at break	**2 / -**	%	ISO 527
Flexural modulus, 23°C	**16800 / -**	MPa	ISO 178
Flexural strength	**320 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**75 / -**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**60 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**20 / -**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**16 / -**	kJ/m²	ISO 179/1eA

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	**205 / ***	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**10 / ***	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**93 / ***	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	**1600 / -**	kg/m³	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

Chemical Resistance
General Chemical Resistance