AKROMID® B3 GF 40 1 L black (4581)

(PA6+PP)-GF40 — 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	**0.9 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**11000 / 8400**	MPa	ISO 527
Stress at break	**150 / 115**	MPa	ISO 527
Strain at break	**3.1 / 4.2**	%	ISO 527
Charpy impact strength, +23°C	**70 / 66**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**55 / 55**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**16 / 18**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**15 / 15**	kJ/m²	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	**201 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**217 / ***	°C	ISO 75-1/-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	**1360 / -**	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

Special Characteristics
Heat stabilized or stable to heat