AKROMID® B+ GF 30 1 black (7378)

PA6-GF30 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	**0.7 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**9400 / 6000**	MPa	ISO 527
Stress at break	**170 / 118**	MPa	ISO 527
Strain at break	**3.8 / 9**	%	ISO 527
Flexural modulus, 23°C	**9200 / -**	MPa	ISO 178
Flexural strength	**270 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**85 / -**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**76 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12 / -**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**10 / -**	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	**210 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**218 / ***	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	**1350 / -**	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

Delivery form
Black

Regional Availability
Europe, Asia Pacific

Special Characteristics
Heat stabilized or stable to heat