AKROMID® B3 M 30 1 black (1831)

PA6-MX30 — Akro-Plastic GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.9**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**4600**	MPa	ISO 527
Stress at break	**80**	MPa	ISO 527
Strain at break	**5**	%	ISO 527
Flexural modulus, 23°C	**4000**	MPa	ISO 178
Flexural strength	**100**	MPa	ISO 178
Charpy impact strength, +23°C	**85**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**5**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**70**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-

Other properties	Value	Unit	Test Standard
Density	**1370**	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

Delivery form
Black

Special Characteristics
Heat stabilized or stable to heat

Features
Low Warpage

Applications
Automotive

Regional Availability
Europe, Asia Pacific