AKROMID® B3 GF 30 S1 white (3767)

PA6-GF30 Akro-Plastic GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**9000**	MPa	ISO 527
Stress at break	**160**	MPa	ISO 527
Strain at break	**4.5**	%	ISO 527
Flexural modulus, 23°C	**7700**	MPa	ISO 178
Flexural strength	**250**	MPa	ISO 178
Charpy impact strength, +23°C	**105**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**110**	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	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	**205**	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	**145**	°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	**1390**	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
White

Special Characteristics
High impact or impact modified

Applications
Automotive

Regional Availability
Europe, Asia Pacific