AKROMID® B3 GF 30 RM-M black (3016)

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	**0.6 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**11000 / 7100**	MPa	ISO 527
Stress at break	**165 / 110**	MPa	ISO 527
Strain at break	**2.6 / 4.5**	%	ISO 527
Flexural modulus, 23°C	**9600 / -**	MPa	ISO 178
Flexural strength	**250 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**70 / 70**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**65 / 60**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12 / 15**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**10 / 10**	kJ/m²	ISO 179/1eA
Ball indentation hardness	**230 / -**	MPa	ISO 2039-1

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**222 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**210 / ***	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.6 / ***	mm	-
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	**600 / -**	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	**1410 / -**	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