AKROMID® A3 GF 30 8 HU black (8112)

PA66-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	**0.8 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**10500 / 7500**	MPa	ISO 527
Stress at break	**200 / 130**	MPa	ISO 527
Strain at break	**3 / 6**	%	ISO 527
Charpy impact strength, +23°C	**75 / 83**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**12 / 16**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**255 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**260 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 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	-
Yellow Card available	**yes / ***	-	-
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.4 / ***	mm	-
Yellow Card available	**yes / ***	-	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Electric strength	**12 / -**	kV/mm	IEC 60243-1
Comparative tracking index	**600 / -**	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Density	**1350 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	**320**	°C	-
Mold temperature	**100**	°C	-
Injection pressure	**75**	MPa	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
Heat stabilized or stable to heat

Features
Color Stability

Certifications
Food approval NSF 51

Regional Availability
Europe, Asia Pacific