

AKROMID® A3 GF 30 4 6 black (13690)

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	10000 / 6700	MPa	ISO 527
Stress at break	200 / 130	MPa	ISO 527
Strain at break	3.5 / 7	%	ISO 527
Flexural modulus, 23°C	9500 / -	MPa	ISO 178
Flexural strength	300 / -	MPa	ISO 178
Charpy impact strength, +23°C	85 / 95	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	75 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12 / 17	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	10 / -	kJ/m ²	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	253 / *	°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	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.5 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m ³	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

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Applications

Automotive

Regional Availability

Europe, Asia Pacific