

AKROMID® A3 CF 30 5 black (7488)

PA66-CF30

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	26000 / 17500	MPa	ISO 527
Stress at break	300 / 220	MPa	ISO 527
Strain at break	2 / 3.5	%	ISO 527
Flexural modulus, 23°C	23000 / 17000	MPa	ISO 178
Flexural strength	400 / 300	MPa	ISO 178
Charpy impact strength, +23°C	90 / 110	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / 13	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	254 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	100 / -	Ohm*m	IEC 62631-3-1

Other properties	dry / cond	Unit	Test Standard
Density	1260 / -	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

Features

Tribologic Grade

Delivery form

Black

Regional Availability

Europe, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat