

AKROMID® A3 ICF 10 black (5117)

PA66-CF10

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	9000 / 6000	MPa	ISO 527
Stress at break	145 / 100	MPa	ISO 527
Strain at break	3 / 6	%	ISO 527
Flexural modulus, 23°C	7000 / 5500	MPa	ISO 178
Flexural strength	200 / 150	MPa	ISO 178
Charpy impact strength, +23°C	30 / 70	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	30 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3 / 4.5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	245 / *	°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			
ISO Data			
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Other properties			
Density	1140 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
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