

AKROLOY® PA ICF 30 black (5269)

(PA66+PA6I/6T)-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	0.4 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	25000 / 23000	MPa	ISO 527
Stress at break	220 / 200	MPa	ISO 527
Strain at break	1.5 / 1.6	%	ISO 527
Flexural modulus, 23°C	21000 / 21000	MPa	ISO 178
Flexural strength	320 / 300	MPa	ISO 178
Charpy impact strength, +23°C	50 / 50	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	40 / 40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7 / 7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	6 / 6	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	255 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-
Electrical properties			
ISO Data			
Surface resistivity	* / 10000	Ohm	IEC 62631-3-2
Other properties			
Density	1290 / -	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