

AKROLOY® PA GF 50 black (6546)

(PA66+PA6I/6T)-GF50

Akro-Plastic GmbH

Product Texts

Alternative for aluminium- and zinc diecast alloys.

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	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	17000 / 15500	MPa	ISO 527
Stress at break	265 / 190	MPa	ISO 527
Strain at break	2.5 / 2.5	%	ISO 527
Flexural modulus, 23°C	17500 / 16000	MPa	ISO 178
Flexural strength	400 / 390	MPa	ISO 178
Charpy impact strength, +23°C	100 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	255 / *	°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	-

Other properties	dry / cond	Unit	Test Standard
Density	1570 / -	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

Regional Availability

Europe, Asia Pacific

Delivery form

Black