

AKROLOY® PA GF 50 white (5137)

(PA66+PA6I/6T)-GF50

Akro-Plastic GmbH

Product Texts

AKROLOY® PA GF 40 is an alternative for aluminium- and zinc diecast alloys.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	9 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	20000 / -	MPa	ISO 527
Stress at break	250 / -	MPa	ISO 527
Strain at break	2.5 / -	%	ISO 527
Charpy impact strength, +23°C	105 / -	kJ/m ²	ISO 179/1eU

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	225 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	9.1E11 / -	Ohm*m	IEC 62631-3-1
Comparative tracking index	600 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4 / *	%	Sim. to ISO 62
Density	1680 / -	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

White