

CAST ALNICO MAGNETS

The cast AlNiCo magnets have a high density and mechanical resistance, an excellent temperature stability, and good corrosion resistance. The working temperature can reach 500°C. Suitable for mass production of large series.

MATERIAL	(BH)max	Br	Hcb	Hcj	d	Br	Curie point		
	Min				Typ				
	kJ/m ³ (MGOe)	mT(KG)	kA/m(KOe)	kA/m(KOe)	g/cm ³	%/K	°C		
AlNiCo12/6	12(1.50)	640(6.4)	52(0.65)	56(0.70)	7.0	-0.03	810	isometric crystal	ISOTROPIC
AlNiCo13/6	13(1.63)	750(7.5)	52(0.65)	56(0.70)	7.0	-0.03	810		
AlNiCo18/10	18(2.26)	530(5.3)	90(1.13)	97(1.22)	7.1	-0.01	860		
AlNiCo20/11	20(2.51)	600(6.0)	100(1.26)	108(1.36)	7.3	-0.01	860		
AlNiCo36/6	36(4.52)	1150(11.5)	60(0.75)	62(0.78)	7.3	-0.02	850		
AlNiCo38/5	38(4.77)	1200(12.0)	50(0.63)	52(0.65)	7.3	-0.02	850		
AlNiCo40/5	40(5.03)	1250(12.5)	49(0.62)	50(0.63)	7.3	-0.02	850	semi-columnar crystal	ANISOTROPIC
AlNiCo44/5	44(5.53)	1270(12.7)	52(0.65)	53(0.67)	7.3	-0.02	850		
AlNiCo52/6	52(6.53)	1300(13.0)	56(0.71)	57(0.72)	7.3	-0.02	850		
AlNiCo60/6	60(7.54)	1350(13.5)	59(0.74)	60(0.75)	7.3	-0.02	860		
AlNiCo38/11	38(4.77)	850(8.5)	110(1.38)	112(1.41)	7.3	-0.01	860		
AlNiCo40/17	40(5.02)	750(7.5)	156(1.96)	168(2.11)	7.3	-0.01	870		
AlNiCo46/12	46(5.78)	930(9.3)	120(1.51)	124(1.56)	7.3	-0.015	860		
AlNiCo48/16	48(6.03)	820(8.2)	144(1.81)	158(1.98)	7.3	-0.01	870		
AlNiCo72/12	72(9.04)	1050(10.5)	114(1.43)	116(1.46)	7.3	-0.015	850		
AlNiCo80/12	80(10.04)	1080(10.8)	120(1.51)	122(1.53)	7.3	-0.015	850		