

SINTERED ALNiCO MAGNETS

The sintered magnets in AlNiCo have compact crystals, good magnetic consistence and uniformity; excellent temperature stability and corrosion resistance. The working temperature can reach 500°C; Suitable for the production of small series having complex shape magnets.

MATERIAL	(BH)max	Br	Hcb	Hcj	d	Br	Curie point	CLASS
	kJ/m ³ (MGOe)	mT(kG)	kA/m(kOe)	kA/m(kOe)	g/cm ³	%K	°C	
AlNiCo 4/1	3.2-4.8 (0.40-0.60)	870-890 (8.7-8.9)	9-11 (0.11-0.14)	10-12 (0.13-0.15)	6.8	- 0.02	750	ISOTROPIC
AlNiCo 8/5	8.5-9.5 (1.07-1.19)	530-620 (5.3-6.2)	45-50 (0.57-0.63)	47-52 (0.59-0.65)	6.8	- 0.02	750	
AlNiCo 10/5	9.5-11 (1.19-1.38)	630-700 (6.3-7.0)	48-56 (0.60-0.70)	50-58 (0.63-0.73)	6.8	- 0.02	780	
AlNiCo 12/5	11-13 (1.38-1.63)	700-750 (7.0-7.5)	50-56 (0.62-0.70)	53-58 (0.66-0.73)	7.0	- 0.02	800	
AlNiCo 14/5	13-15 (1.63-1.88)	730-800 (7.3-8.0)	47-50 (0.59-0.63)	50-53 (0.63-0.67)	7.1	- 0.02	790	
AlNiCo 14/6	14-16 (1.76-2.00)	620-810 (6.2-8.1)	56-64 (0.70-0.81)	58-66 (0.73-0.83)	7.1	- 0.02	790	
AlNiCo 14/8	14-16 (1.76-2.00)	550-610 (5.5-6.1)	75-88 (0.94-1.11)	80-92 (1.00-1.16)	7.1	- 0.01	850	
AlNiCo18/10	16-19 (2.00-2.39)	570-620 (5.7-6.2)	92-100 (1.16-1.26)	99-107 (1.24-1.34)	7.2	- 0.01	860	

AlNiCo 29/6	29-33 (3.64-4.15)	970- 1200 (9.7-12)	58-64 (0.73- 0.80)	60-66 (0.75- 0.83)	7.2	- 0.02	860	ANISOTROPIC
AlNiCo 30/6	30-34 (3.77-4.27)	1000- 1100 (10-11)	58-64 (0.73- 0.80)	60-66 (0.75- 0.83)	7.2	- 0.02	860	
AlNiCo42/10	42-46 (5.27-5.77)	950- 1100 (9.5-11)	100-110 (1.26- 1.38)	104-114 (1.30- 1.43)	7.2	- 0.01	860	
AlNiCo 33/11	33-38 (4.14-4.77)	700-800 (7-8)	107-115 (1.34- 1.45)	111-119 (1.39- 1.50)	7.2	- 0.01	860	
AlNiCo 35/5	35-39 (4.40-4.90)	1100- 1200 (11-12)	48-52 (0.60- 0.65)	50-54 (0.63- 0.68)	7.2	- 0.02	850	
AlNiCo 37/15	37-41 (4.65-5.15)	700-800 (7.0-8.0)	140-147 (1.76- 1.85)	150-158 (1.88- 1.98)	7.2	- 0.01	870	
AlNiCo 9/12	39-43 (4.90-5.40)	830-900 (8.3-9.0)	115-123 (1.45- 1.54)	119-127 (1.50- 1.60)	7.25	- 0.01	860	
AlNiCo 44/12	44-48 (5.53-6.03)	900-950 (9-9.5)	119-127 (1.50- 1.60)	124-132 (1.56- 1.66)	7.25	- 0.01	860	
AlNiCo 44/15	40-48 (5.02-6.03)	750-850 (7.5-8.5)	143-151 (1.80- 1.90)	155-163 (1.95- 2.05)	7.2	- 0.01	870	
AlNiCo 44/15	44-48 (5.53-6.03)	800-880 (8.0-8.8)	148-160 (1.86- 2.00)	155-163 (1.95- 2.05)	7.2	- 0.01	870	