



AlNiCo magnets

AlNiCo magnets are alloys of iron, aluminum, nickel, copper and cobalt and are manufactured by casting or sintering. Unlike other magnetic materials, the remanence flux density is relatively high at up to 1.3 T. The magnets can also be used up to a temperature of 500°C.

Material	Br mT	bHc KA/m	(BH) max KJ/m ³	Density g/cm ³
AlNiCo 3	680	30	0,9	6,9
AlNiCo 3	600	40	10.0	6,9
AlNiCo 2	720	45	12,4	7,0
AlNiCo 2	700	48	13.0	7,0
AlNiCo 5	1200	48	34.0	7,3
AlNiCo 5	1200	48	37.0	7,3
AlNiCo 5	1200	48	40.0	7,3
AlNiCo 5	1200	52	44.0	7,3
AlNiCo 5 D	1300	56	52.0	7,3
AlNiCo 6	1000	58	28.0	7,3
AlNiCo 8H	700	140	36.0	7,3
AlNiCo 8	800	100	32.0	7,3
AlNiCo 8	800	110	40.0	7,3
AlNiCo 9	900	110	60.0	7,3
AlNiCo 9	1500	112	72.0	7,3

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