



You have problems or ideas
- we provide solutions

Types and magnetic properties of Alnico magnets



Our company holds ISO14001, ISO90001, IATF16949, QC080000 certificates.

AlNiCo Magnets (1)	Max. energy (BH) _{max.}		Residual Induction B _r		Coercivity iH _c		Max. Op. temp. [Ⓞ]	Curie temp. T _c	Temp. Co BR	Temp. Co BH
	[kJ/m ³]	[MGOe]	[T]	[kGs]	[kA/m]	[kOe]	[°C]	[°C]	[%/°C]	[%/°C]
Cast Alnico										
Alnico 5	44	5.5	1.25	12.5	52	0.65	450	810	-0.03	-0.02
Alnico 5DG	52	6.5	1.3	13	56	0.7	450	810	-0.03	-0.02
Alnico 5-7	60	7.5	1.35	13.5	59	0.74	450	810	-0.03	-0.02
Alnico 6	28	3.5	1.00	10	58	0.72	450	810	-0.03	-0.02
Alnico 8	18	2.2	0.58	5.8	100	1.25	450	810	-0.03	-0.02
Alnico 8HC	40	5	0.7	7	140	1.75	450	810	-0.03	-0.02
Alnico 8	38	4.75	0.8	8	110	1.38	450	810	-0.03	-0.02
Alnico 8	40	5	0.82	8.2	110	1.38	450	810	-0.03	-0.02
Alnico 9	60	7.5	0.95	9.5	110	1.38	450	810	-0.03	-0.02
Alnico 9	72	9	1.05	10.5	112	1.4	450	810	-0.03	-0.02
Sintered Alnico										
Alnico 2	12.8	1.6	0.7	7	48	0.6	450	810	-0.03	-0.02
Alnico 3	10	1.2	0.6	6	40	0.5	450	810	-0.03	-0.02
Alnico 8	18	2.2	0.58	5.8	100	1.25	450	810	-0.03	-0.02

Ⓞ Further qualities or grade on low thermal coefficient magnets, please contact us for more details.
 Ⓞ The maximum operating temperature depends on the magnet's dimensions and its final applications. We recommend keeping a margin of safety in materials selection.

A SWISS COMPANY SPECIALIZED IN DESIGN,
PRODUCTION AND DISTRIBUTION OF PERMANENT MAGNETS AND PRECISION ASSEMBLIES

You have problems or ideas - We provide solutions

