

bonded alnico

Isotropy AlNiCo Bonded Magnet

Characteristics:

- 1 Good temp. Stability (temp. coefficient of Br is about $\sim 0.02\%/K$)
- 1 Excellent magnetic evenness and stability
- 1 Strong anti-demagnetization

Application:

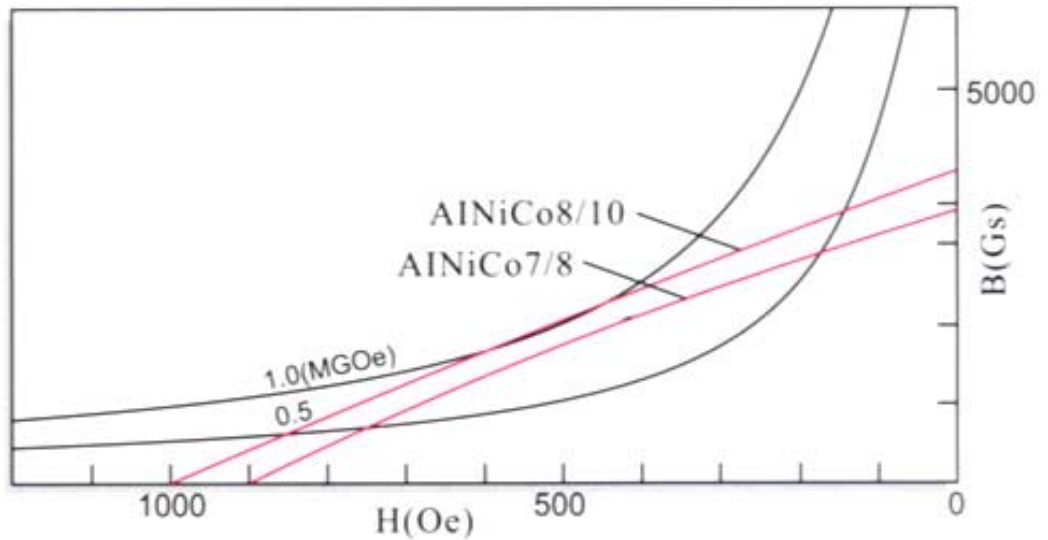
- 1 Due to the characteristics of above mentioned. It is widely used as magnetic driven bearing of power energy measuring instrument.
- 1 High stability magnetic sensor
- 1 Automatic control surveying instrument

Magnetic properties and physical features of isotropic AlNiCo bonded magnets

Property Grade	Residual Flux Density Br.	Coercive Force Hcb	Intrinsic Coercive force Hcj	Max. energy product (BH)max	Relative Recoil Permeability μ_{rec}	Density d	Temp. Coefficient $\alpha(Br)$	Curie Temp. Tc	Recommended Magnetization Field
	KGs	Oe	Oe	MGOe	-----	g/cm ³	%/K	°C	Koe
	(mT)	(KA/m)	(KA/m)	(KJ/m ³)					(KA/m)
AlNiCo7/8	3.4 (340)	900 (72)	1050 (84)	0.88 (7.0)	3.0	5.6	-0.02	850	3.0 (240)
AlNiCo8/10	3.5 (350)	1000 (80)	1200 (96)	1.00 (8.0)	3.0	5.8	-0.02	850	



Demagnetization Curve of Sintered AlNiCo Permanent Alloy



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