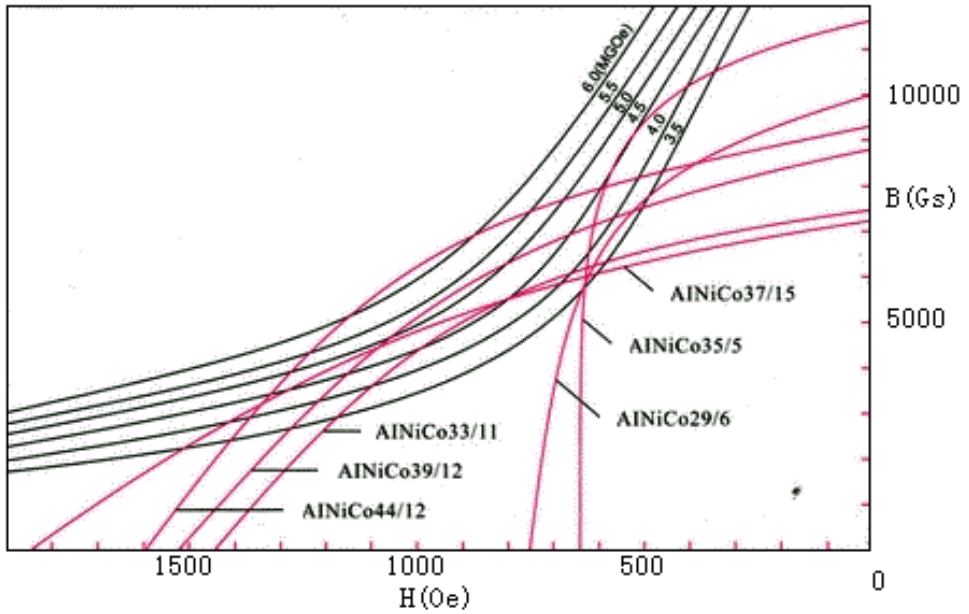


# Isotropy AlNiCo alloy

Characteristics	Max Energy Product (BH)max.	Residual Induction Br	Coercive Force HcB	Intrinsic Coercive Force Hcj	Recoil Permeability $\mu_{rec}$	Density d	Temp. Coefficient a( Br)	Curie Temp. Tc	Proposal Coercive Field
Grade	MGOe (kJ/m <sup>3</sup> )	KGs (mT)	Oe (KA/m)	Oe (KA/m)	--	g/cm <sup>3</sup>	%/K	°C	KOe(KA/m)
AlNiCo35/5	4.4-4.9 (35-39)	11-12 (1100-1200)	600-650 (48-52)	630-680 (50-54)	5.0	7.20	-0.02	850	2.5 (200)
AlNiCo29/6	3.6-4.1 (29-33)	9.7-10.9 (970-1090)	730-800 (58-64)	755-825 (60-66)	4.50	7.20	-0.02	860	2.8 (220)
AlNiCo33/11	4.2-4.8 (33-38)	7.0-8.0 (700-800)	1350-1450 (107-115)	1400-1500 (111-119)	2.20	7.20	-0.01	860	4.9 (390)
AlNiCo39/12	4.9-5.4 (39-43)	8.3-9.0 (830-900)	1450-1550 (115-123)	1500-1600 (119-127)	2.30	7.25	-0.01	860	5.2 (410)
AlNiCo44/12	5.5-6.0 (44-48)	9.0-9.5 (900-950)	1500-1600 (119-127)	1560-1660 (124-132)	2.50	7.25	-0.01	860	5.6 (450)
AlNiCo37/15	4.6-5.1 (37-41)	7.0-7.5 (700-750)	1800-1900 (143-151)	1880-1980 (150-158)	1.90	7.10	-0.1	870	6.7 (530)





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