

### Magnetic Properties of Cast AlNiCo Magnets--USA standard (MMPA)

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force Hcj		Maximum Energy (BH)max		Density	α(Br)	Tc.	Tw.	Remarks
	KGs	mT	Oe	KA/m	Oe	KA/m	MGOe	KJ/m <sup>3</sup>	g/cm <sup>3</sup>	%/°C	°C	°C	
AlNiCo1	7.20	720	470	37	480	38	1.40	11.10	6.90	-0.03	810	450	Isotropic
AlNiCo2	7.50	750	560	45	580	46	1.70	13.50	7.10	-0.03	810	450	
AlNiCo3	7.00	700	480	38	500	40	1.35	10.70	6.90	-0.03	810	450	
AlNiCo5	12.80	1280	640	51	640	51	5.50	43.80	7.30	-0.02	860	525	Anisotropic
AlNiCo5DG	13.30	1330	670	53	670	53	6.50	57.70	7.30	-0.02	860	525	
AlNiCo5-7	13.50	1350	740	59	740	59	7.50	59.70	7.30	-0.02	860	525	
AlNiCo6	10.50	1050	780	62	800	64	3.90	31.00	7.30	-0.02	860	525	
AlNiCo8	8.20	820	1650	131	1860	148	5.30	42.20	7.30	-0.02	860	550	
AlNiCo8HC	7.20	720	1900	151	2170	173	5.00	39.80	7.30	-0.02	860	550	
AlNiCo9	10.60	1060	1500	119	1500	119	9.00	71.60	7.30	-0.02	860	550	