

**Magnetic Properties of Cast AlNiCo Magnets--Italy Market**

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force Hcj		Maximum Energy (BH)max		Density	α(Br)	Tc.	Remarks
	KGs	mT	KOe	kA/m	KOe	kA/m	MGOe	KJ/m <sup>3</sup>	g/cm <sup>3</sup>	%/°C	°C	
AlNiCo12/6	6.40	640	0.65	52	0.70	56	1.50	12	7.0	-0.030	810	Isotropic
AlNiCo13/6	7.50	750	0.65	52	0.70	56	1.63	13	7.0	-0.030	810	
AlNiCo18/10	5.30	530	1.13	90	1.22	97	2.26	18	7.1	-0.010	860	
AlNiCo20/11	6.00	600	1.26	100	1.36	108	2.51	20	7.3	-0.010	860	
AlNiCo36/6	11.50	1150	0.75	60	0.78	62	4.52	36	7.3	-0.020	850	Anisotropic
AlNiCo38/5	12.00	1200	0.63	50	0.65	52	4.77	38	7.3	-0.020	850	
AlNiCo40/5	12.50	1250	0.62	49	0.63	50	5.03	40	7.3	-0.020	850	
AlNiCo44/5	12.70	1270	0.65	52	0.67	53	5.53	44	7.3	-0.020	850	
AlNiCo52/6	13.00	1300	0.71	56	0.72	57	6.53	52	7.3	-0.020	850	
AlNiCo60/6	13.50	1350	0.74	59	0.75	60	7.54	60	7.3	-0.020	860	
AlNiCo38/11	8.50	850	1.38	110	1.41	112	4.77	38	7.3	-0.010	860	
AlNiCo40/17	7.50	750	1.96	156	2.11	168	5.02	40	7.3	-0.010	870	
AlNiCo46/12	9.30	930	1.51	120	1.56	124	5.78	46	7.3	-0.015	860	
AlNiCo48/16	8.20	820	1.81	144	1.98	158	6.03	48	7.3	-0.010	870	
AlNiCo72/12	10.50	1050	1.43	114	1.46	116	9.04	72	7.3	-0.015	850	
AlNiCo80/12	10.80	1080	1.51	120	1.53	122	10.40	80	7.3	-0.015	850	