

Cast Alnico Magnetic Characteristics

GRADE	Br		Hcj		(BH)max		Density	U.S. Standard	% Change Per C		Tc	Tw	REMARKS
	mT	Gs	KA/m	Oe	KJ/m3	MGOe	g/cm3		Near Br	Near Hcj	°C	°C	
LN9	680	6800	30	380	9.0	1.13	6.9	AlNiCo 3	-0.03	-0.02	810	450	ISOTROPIC
LN10	600	6000	40	500	10.0	1.2	6.9		-0.03	-0.02	810	450	
LN12	720	7200	45	500	12.4	1.55	7.0	AlNiCo 2	-0.03	-0.02	810	450	
LN13	700	7000	48	600	12.8	1.60	7.0		-0.03	-0.02	810	450	
LNGT18	580	5800	100	1250	18.0	2.20	7.3	AlNiCo 8	-0.025	+0.02	860	550	ANISOTROPIC C
LN37	1200	12000	48	600	37.0	4.65	7.3	AlNiCo 5	-0.02	+0.02	860	525	
LNG40	1250	12500	48	600	40.0	5.00	7.3		-0.02	+0.02	860	525	
LNG44	1250	12500	52	650	44.0	5.50	7.3		-0.02	+0.02	860	525	
LNG52	1300	13000	56	700	52.0	6.50	7.3	AlNiCo 5DG	-0.02	+0.02	860	525	
LNG60	1350	13500	59	740	60.0	7.50	7.3	AlNiCo 5-7	-0.02	+0.02	860	525	
LNGT28	1000	10000	58	720	28.0	3.50	7.3	AlNiCo 6	-0.025	+0.03	860	525	
LNGT36J	700	7000	140	1750	36.0	4.50	7.3	AlNiCo 8HC	-0.025	+0.02	860	550	
LNGT38	800	8000	110	1380	38.0	4.75	7.3	AlNiCo 8	-0.025	+0.02	860	550	
LNGT40	800	8000	110	1380	40.0	5.00	7.3		-0.025	+0.02	860	550	
LNG60	900	9000	110	1380	60.0	7.50	7.3	AlNiCo 9	-0.025	+0.02	860	550	
LNGT72	1050	10500	112	1400	72.0	9.00	7.3		-0.025	+0.02	860	550	

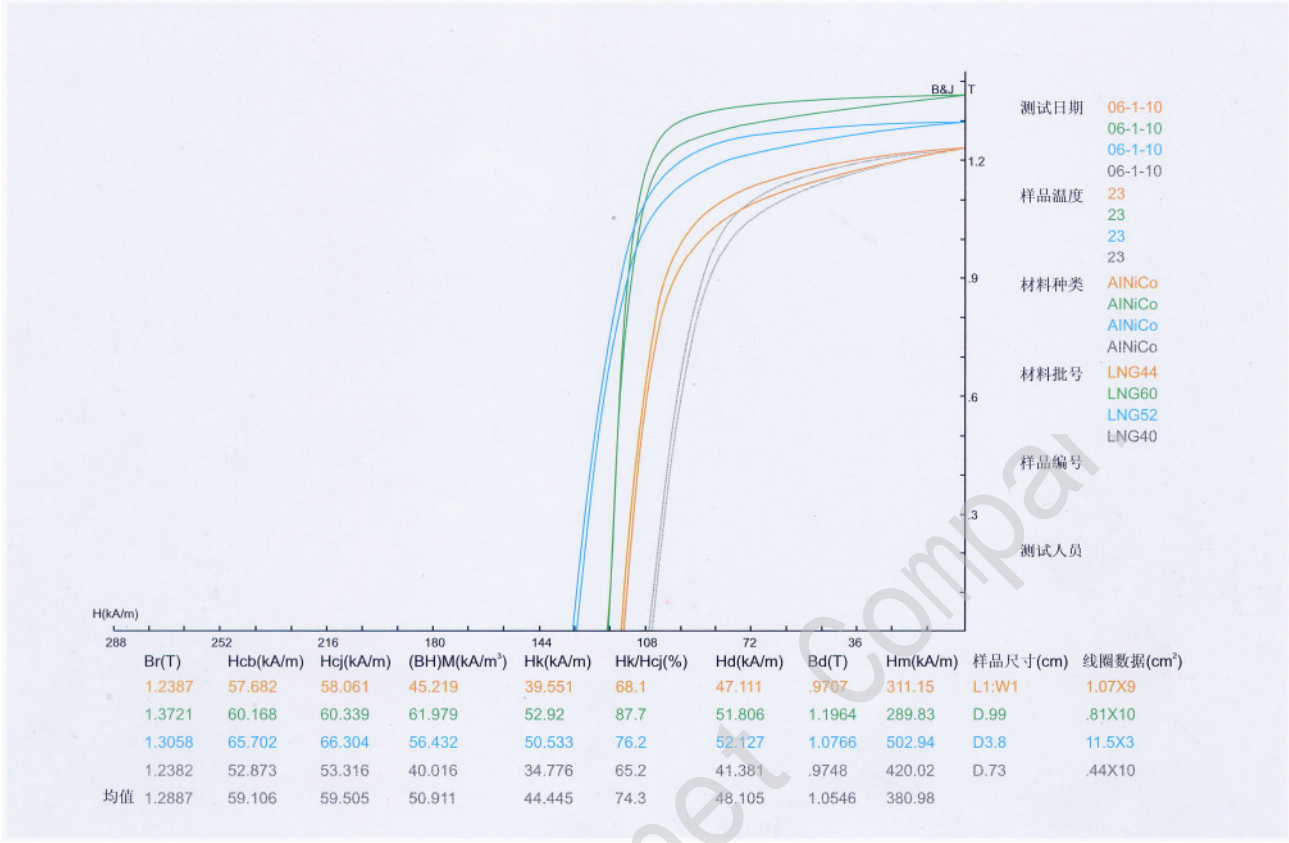
Sintered Alnico Magnetic Characteristics

GRADE	Br		Hcj		Hcb		(BH)max		Density	% Change Per C	Tc	REMARKS
	mT	Gs	KA/m	Oe	KA/m	Oe	KJ/m3	MGOe	g/cm3	%/K	°C	
FLN8	520	5200	43	540	40	500	8-10	1.0-1.25	6.8	-0.022	760	ISOTROPIC
FLNG12	700	7000	43	540	40	500	12-14	1.5-1.75	7.0	-0.014	810	
FLNGT14	570	5700	78	980	76	950	14-16	1.75-2.0	7.1	-0.020	850	
FLNGT18	560	5600	90	1130	88	1100	18-22	2.25-2.75	7.2	-0.020	850	
FLNG28	1050	10500	47	590	46	580	28-33	3.5-4.15	7.2	-0.016	850	ANISOTROPIC
FLNG34	1100	11000	51	640	50	630	34-38	4.3-4.8	7.2	-0.016	890	
FLNGT28	1000	10000	57	710	56	700	28-30	3.5-3.8	7.2	-0.020	850	
FLNGT31	780	7800	106	1130	104	1300	33-36	3.9-4.5	7.2	-0.020	850	
FLNG33J	650	6500	150	1880	136	1700	31-36	4.15-4.5	7.2	-0.020	850	
FLNGT38	800	8000	126	1580	123	1550	38-42	4.75-5.3	7.2	-0.020	850	
FLNGT42	880	8800	122	1530	120	1500	42-48	5.3-6.0	7.25	-0.020	850	

Typical Demagnetization Curves- AlNiCo Magnet

A、Cast Alnico

AUTOMATIC HYSTERESIGRAPH MODEL AMT-4 SJ LTD.



B、Sintered Alnico

AUTOMATIC HYSTERESIGRAPH MODEL AMT-4 SJ LTD.

