

**Cast AlNiCo Magnet:**

Magnetic and Physical Properties of Cast AlNiCo Magnet													
Material Grade	Equivalent MMPA Class	Br		Hc		(BH)max		Density	Temperature Coefficient		Tc	Maximum Working Temperature Tw	Remark
		mT	Gs	KA/m	Oe	KJ/m <sup>3</sup>	MGOe	g/cm <sup>3</sup>	Near Br %/K	Near Hcj %/K	°C	°C	
LN10	AlNiCo3	600	6000	40	500	10	1.2	6.9	-0.03	-0.02	810	450	Isotropy
LNG13	AlNiCo2	700	7000	48	600	12.8	1.6	7.2	-0.03	-0.02	810	450	
LNGT18	AlNiCo8	580	5800	100	1250	18	2.2	7.3	-0.025	+0.02	860	550	
LNG37	AlNiCo5	1200	12000	48	600	37	4.65	7.3	-0.02	+0.02	850	525	Anisotropy
LNG40		1250	12500	48	600	40	5	7.3					
LNG44		1250	12500	52	650	44	5.5	7.3					
LNG52	AlNiCo5DG	1300	13000	56	700	52	6.5	7.3					
LNG60	AlNiCo5-7	1350	13500	59	740	60	7.5	7.3					
LNGT28	AlNiCo6	1000	10000	57.6	720	28	3.5	7.3	-0.02	+0.03	850	525	
LNGT36J	AlNiCo8HC	700	7000	140	1750	36	4.5	7.3	-0.025	+0.02	860	550	
LNGT38	AlNiCo8	800	8000	110	1380	38	4.75	7.3	-0.025	+0.02	860	550	
LNGT40		820	8200	110	1380	40	5	7.3	-0.025	+0.02	860	550	
LNGT60	AlNiCo9	900	9000	110	1380	60	7.5	7.3	-0.025	+0.02	860	550	
LNGT72		1050	10500	112	1400	72	9	7.3	-0.025	+0.02	860	550	

**Sintered AlNiCo Magnet:**

**Magnetic and Physical Properties of Sintered AlNiCo Magnet**

Material Grade	Equivalent MPPA Class	Br		Hcj		Hcb		(BH)max		Density	Temperature Coefficient	Tc	Tw	Remark
		mT	Gs	KA/m	Oe	KA/n	Oe	KJ/m <sup>3</sup>	MGOe	g/cm <sup>3</sup>	Near Br%/K	°C	°C	
SLN8	AlNiCo3	520	5200	43	540	40	500	8-10	1.0-1.25	6.7	-0.02	760	450	Isotropy
SLNG12	AlNiCo2	700	7000	43	540	40	500	12-14	1.5-1.75	7	-0.014	810	450	
SLNGT18	AlNiCo8	600	6000	107	1350	95	1200	18-22	2.25-2.75	7.2	-0.02	850	550	
SLNGT28	AlNiCo6	1000	10000	57	710	56	700	28-30	3.5-3.8	7.2	-0.02	850	525	Anisotropy
SLNG34	AlNiCo5	1100	11000	51	640	50	630	34-38	3.5-4.15	7.2	-0.016	890	525	
SLNGT31	AlNiCo8	780	7800	106	1130	104	1300	33-36	3.9-4.5	7.2	-0.02	850	550	
SLNGT38		800	8000	126	1580	123	1550	38-42	4.75-5.3	7.2	-0.02	850	550	
SLNGT42		880	8800	122	1530	120	1500	42-48	5.3-6.0	7.25	-0.02	850	550	
SLNGT38J	AlNiCo8HC	730	7300	163	2050	151	1900	38-40	4.75-5.0	7.2	-0.02	850	550	