

Typical Magnetic Properties of Cast Alnico Materials

Grade	Remanence		Coercivity				Energy Density		Operating
	Br		Hcb		Hcj		BHmax		Tw Max
	mT	kGs	KA/m	kOe	KA/m	kOe	KJ/m ³	MGOe	°C
LN10 (Alnico 3)	650	6.5	40	0.5	42	0.53	10	1.2	450
LNG13 (Alnico 2)	700	7	48	0.6	49	0.62	12.7	1.6	450
LNG34 (Alnico 5)	1100	11	44	0.55	45	0.56	34	4.25	525
LNG37 (Alnico 5)	1180	11.8	48	0.6	49	0.61	37	4.65	525
LNG40 (Alnico 5)	1200	12	48	0.6	49	0.61	40	5	525
LNG44 (Alnico 5)	1250	12.5	52	0.65	53	0.66	44	5.5	525
LNG52 (Alnico 5DG)	1300	13	56	0.7	57	0.71	52	6.5	525
LNG60 (Alnico 5-7)	1350	13.5	58	0.73	60	0.75	60	7.5	525
LNGT28 (Alnico 6)	1050	10.5	56	0.7	57	0.71	28	3.5	525
LNGT38 (Alnico 8)	820	8.2	110	1.38	111	1.4	38	4.75	550
LNGT44 (Alnico 8)	900	9	115	1.44	117	1.46	44	5.5	550
LNGT36J (Alnico 8HC)	720	7.2	150	1.88	152	1.9	36	4.5	550
LNGT60 (Alnico 9)	1000	10	110	1.38	112	1.4	60	7.5	550
LNGT72 (Alnico 9)	1050	10.5	115	1.44	117	1.46	72	9	550
LNGT80 (Alnico 9)	1080	10.8	120	1.5	122	1.53	80	10	550

Typical Magnetic Properties of Sintered Alnico Materials

Grade	Remanence		Coercivity				Energy Density		Operating
	Br		Hcb		Hcj		BHmax		Tw Max
	mT	kGs	KA/m	kOe	KA/m	kOe	KJ/m ³	MGOe	°C
FLN10 (Alnico 3)	650	6.5	40	0.5	42	0.53	10	1.25	450
FLNG12 (Alnico 2)	750	7.5	45	0.56	46	0.58	12	1.5	450
FLNG34 (Alnico 5)	1150	11.5	48	0.6	50	0.63	34	4.25	525
FLNG28 (Alnico 6)	1100	11	58	0.73	60	0.75	28	3.5	550
FLNGT18 (Alnico 8)	600	6	95	1.19	98	1.23	18	2.25	550
FLNGT20 (Alnico 8)	620	6.2	100	1.25	105	1.31	20	2.5	550
FLNGT38 (Alnico 8)	800	8	110	1.38	111	1.4	38	4.75	550
FLNGT44 (Alnico 8)	850	8.5	120	1.5	122	1.53	44	5.5	550

FLNGT48 (Alnico 8)	920	9.2	125	1.56	127	1.59	48	6	550
FLNGT36J (Alnico 8HC)	720	7.2	150	1.88	152	1.9	36	4.5	550