



■ SINTERED ALNICO

Grade	Residual B_r mT (KGs)	Coercive H_c kA/m (Oe)	Intrinsic Coercive H_{ci} KA/m (Oe)	Max Energy Product (BH) _{max} KJ/m ³ (MGOe)	Density D G/cm ³	Thermal Coefficient $\alpha(B_r)$ %/K	Curie Temp T_c °C	Max Working Temp °C	Remark
FLN8	520 (5.2)	40 (500)	43 (540)	8-10 (1.10-1.25)	6.70	-0.020	760	450	
FLNG12	700 (7.0)	40 (500)	43 (540)	12-14 (1.50-1.75)	7.00	-0.014	810	450	
FLNGT14	570 (5.7)	76 (950)	78 (980)	14-16 (1.75-2.00)	7.10	-0.020	850	450	
FLNGT18	600 (6.0)	95 (1200)	107 (1350)	18-22 (2.25-2.75)	7.20	-0.020	850	450	Isotropic
FLNGT28	1050 (10.5)	46 (580)	47 (590)	28-33 (3.50-4.15)	7.20	-0.016	850	450	
FLNG34	1100 (11.0)	50 (630)	51 (640)	34-38 (4.30-4.80)	7.20	-0.016	890	450	
FLNGT28	1000 (10.0)	56 (700)	57 (710)	28-30 (3.50-3.80)	7.20	-0.020	850	450	
FLNG38J	730 (7.3)	151 (1900)	163 (2050)	38-40 (4.75-5.00)	7.20	-0.020	850	450	
FLNGT38	800 (8.0)	123 (1550)	126 (1580)	38-42 (4.75-5.30)	7.20	-0.020	850	450	
FLNGT42	880 (8.8)	120 (1500)	122 (1530)	42-48 (5.30-6.00)	7.25	-0.020	850	450	Anisotropic

■ CAST ALNICO

Grade	Equivalent MMPA Class	Residual B_r mT (KGs)	Coercive H_c kA/m (KOe)	Max. Energy Product (BH) _{max} KJ/m ³ (MGOe)	Density D G/cm ³	Thermal Coefficient $\alpha(B_r)$ %/K	Curie Temp T_c °C	Max Working Temp C	Remark
LN9		680 (6.8)	30 (0.38)	9.0 (1.13)	6.9	-0.030	760	450	
LN10	Alinco 3	600 (6.07)	40 (0.50)	10.0 (1.20)	6.9	-0.030	760	450	
LNG12		720 (7.2)	45 (0.56)	12.4 (1.55)	7.0				
LNG13	Alinco 2	700 (7.2)	48 (0.60)	13.0 (1.60)	7.0	-0.030	810	450	Isotropic
LNG34		1200 (12.0)	48 (0.60)	34.0 (4.30)	7.3				
LNG37	Alinco 5	1200 (12.0)	48 (0.60)	37.0 (4.65)	7.3				
LNG40		1250 (12.5)	48 (0.60)	40.0 (5.00)	7.3				
LNG44	Alinco 5C	1250 (12.5)	52 (0.65)	44.0 (5.50)	7.3	-0.020	860	525	
LNG52	Alinco 5DG	1300 (13.0)	56 (0.70)	52.0 (6.50)	7.3	-0.020	860	525	
LNGT28	Alinco 6	1000 (10.0)	58 (0.72)	28.0 (3.50)	7.3	-0.025	860	550	
LNGT36J	Alinco 8HC	700 (7.0)	140 (1.75)	36.0 (4.50)	7.3				
LNGT32		800 (8.0)	100 (1.25)	32.0 (4.00)	7.3				
LNGT40		800 (8.0)	110 (1.38)	40.0 (5.00)	7.3	-0.025	860	550	
LNGT60	Alinco 8	900 (9.0)	110 (1.38)	60.0 (7.50)	7.3				
LNGT72	Alinco 9	1050 (10.5)	112 (1.40)	72.0 (9.00)	7.3	-0.025	860	550	Anisotropic

■ FERRITE

Grade	Br		H _{c_s}		H _{c_i}		(BH) max		Equivalent Grade
	mT	KG	KA/m	kOe	KA/m	Oe	KJ/m ³	MGOe	
FM8T	200~235	2.00~2.35	125~160	1.57~2.01	210~280	2.64~3.52	6.50~9.50	0.81~1.19	Y8T, HF8/22, C1, FB1A
FM8T-1	220~240	2.20~2.40	135~175	1.70~2.20	278~320	3.49~4.02	8.50~10.00	1.06~1.25	
FM28	370~400	3.70~4.00	175~210	2.20~2.64	180~220	2.26~2.76	26.00~30.00	3.3~3.77	Y28, HF26/18, C5
FM30H-1	380~400	3.80~4.00	230~275	2.89~3.45	235~290	2.95~3.64	27.00~32.50	3.45~4.14	Y30H-1, C8
FM33	410~430	4.10~4.30	220~250	2.76~3.14	225~255	2.83~3.20	31.50~35.00	3.96~4.40	Y33, C8B
FM33H-1	410~430	4.10~4.30	250~270	3.14~3.39	250~275	3.14~3.45	31.50~35.00	3.96~4.40	Y33H, PMF-6BD
FM34	420~440	4.20~4.40	200~230	2.51~2.89	205~235	2.58~2.95	32.50~36.00	4.08~4.52	Y34, C11
FM35	430~450	4.30~4.50	215~239	2.70~3.00	217~241	2.73~3.03	33.10~38.20	4.16~4.80	Y35, PMF-7BB
FM3838	380~390	3.80~3.90	270~282	3391~3542	303~314	3806~3944	28.00~30.40	3.52~3.81	PMF-2BD
FM3849	380~390	3.80~3.90	283~295	3554~3705	394~405	4949~5086	26.30~27.90	3.30~3.50	FB6E, PMF-2BF
FM4040	400~410	4.00~4.10	282~294	3542~3691	319~330	4007~4144	30.00~31.60	3.77~3.97	PMF-6BE~C12
FM4141	410~430	4.10~4.30	270~303	3391~3810	326~359	4095~4510	30.25~33.45	3.79~4.20	FB6B, PMF-6BE