

Magnetic Properties of Sintered AlNiCo Magnets--Chinese Standard

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force Hcj		Maximum Energy (BH)max		Tc.	Tw.	α(Br)	Density	Remarks
	KGs	mT	Oe	KA/m	Oe	KA/m	MGOe	KJ/m ³	°C	°C	%/°C	g/cm ³	
FLN8	5.2	520	500	40	540	43	1.00-1.25	8-10	760	450	-0.022	6.80	Isotropic
FLNG12	7.0	700	500	40	540	43	1.50-1.75	12-14	810	450	-0.014	6.90	
FLNG14	5.7	570	950	76	980	78	1.75-2.00	14-16	810	450	-0.014	6.90	
FLNG18	5.6	560	1100	88	1130	90	2.25-2.75	18-22	810	450	-0.014	7.00	
FLNG28	10.5	1050	580	46	590	47	3.50-4.15	28-33	810	450	-0.014	7.30	Anisotropic
FLNG34	11.0	1100	600	48	630	50	4.10-4.70	33-38	810	450	-0.016	7.30	
FLNG35	12.2	1220	630	50	640	51	4.40-4.90	35-39	810	450	-0.014	7.30	
FLNGT28	10.0	1000	700	56	710	57	3.50-3.80	28-30	850	450	-0.020	7.30	
FLNGT31	7.8	780	1300	104	1130	106	3.90-4.50	33-26	850	450	-0.020	7.30	
FLNGT38	8.0	800	1550	123	1580	126	4.75-5.30	38-42	850	450	-0.020	7.30	
FLNGT42	8.8	880	1500	120	1530	122	5.30-5.50	42-44	820	450	-0.020	7.30	
FLNGT44	9.0	900	1500	120	1560	125	5.50-6.00	44-48	820	450	-0.020	7.30	
FLNG33J	6.5	650	1700	136	1880	150	4.10-4.50	31-36	820	450	-0.025	7.30	
FLNGT40J	8.0	800	1800	1440	1950	155	5.00-5.50	40-44	820	450	-0.025	7.30	
FLNGT44J	8.2	820	1900	1520	2000	160	5.50-6.00	44-48	820	450	-0.025	7.30	

- Note:
1. The data mentioned above of magnetic performance and physical properties are given at room temperature 20°C.
 2. Curie temperature and temperature coefficient are for reference only, but not as an inspection items.
 3. The max working temperature is changeable due to length-diameter ratio, coating thickness and environment factors.