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Performance of Sintered AlNiCo Magnets							
Grade	Br KGs (mT)	Hcj Oe (KA/m)	Hcb Oe (KA/m)	BHmax MGOe (KJ/m ³)	D g/cm ³	α %/°C	TC °C/°F
*FLN8	5.2(520)	540 (43)	500 (40)	1.0-1.25 (8-10)	6.8	-0.022	760/1400
*FLNG12	7.0(700)	540 (43)	500 (40)	1.5-1.75 (12-14)	7	-0.014	810/1490
*FLNGT14	5.7(570)	980 (78)	950 (76)	1.75-2.0 (14-16)	7.1	-0.02	850/1562
*FLNGT18	5.6(560)	1130 (90)	1100 (88)	2.25-2.75 (18-22)	7.2	-0.02	850/1562
FLNG28	10.5(1050)	590 (47)	580 (46)	3.5-4.15 (28-33)	7.2	-0.016	850/1562
FLNG34	11.0(1100)	640 (51)	630 (50)	4.3-4.8 (34-38)	7.2	-0.016	890/1562
FLNGT28	10.0(1000)	710 (57)	700 (56)	3.5-3.8 28-30)	7.2	-0.02	850/1562
FLNGT31	7.8(780)	1130 (106)	1300 (104)	3.9-4.5 (33-36)	7.2	-0.02	850/1562
FLNG33J	6.5(650)	1880 (150)	1700 (136)	4.15-4.5 (31-36)	7.2	-0.02	850/1562
FLNGT38	8.0(800)	1580 (126)	1550 (123)	4.75-5.3 (38-42)	7.2	-0.02	850/1562
FLNGT42	8.8(880)	1530 (122)	1500 (120)	5.3-6.0 (42-48)	7.25	-0.02	850/1562

* = Isotropic, Others = Anisotropic



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Performance of Cast AlNiCo Magnets								
Grade	Br KGs (mT)	Hcj Oe (KA/m)	BHmax MGOe(KJ/m ³)	D g/cm ³	MMPA Class	α %/°C Br (Hcj)	TC °C/°F	TMax °C/°F
*LN9	6.8(680)	380 (30)	1.13 (9.0)	6.9	Alnico3	-0.02(+0.03)	810/1490	450/842
*LN10	6.0(600)	500 (40)	1.20 (10.0)	6.9	Alnico3	-0.02(+0.03)	810/1490	450/842
*LNG12	7.2(720)	500 (45)	1.55 (12.4)	7	Alnico2	-0.02(+0.03)	810/1490	450/842
*LNG13	7.0(700)	600 (48)	1.60 (12.8)	7	Alnico2	-0.02(+0.03)	810/1490	450/842
LNG37	12.0(1200)	600 (48)	4.65 (37.0)	7.3	Alnico5	-0.02(+0.03)	860/1580	525/977
LNG40	12.5(1250)	600 (48)	5.00 (40.0)	7.3	Alnico5	-0.02(+0.03)	860/1580	525/977
LNG44	12.5(1250)	650 (52)	5.50 (44.0)	7.3	Alnico5	-0.02(+0.03)	860/1580	525/977
LNG52	13.0(1300)	700 (56)	6.50 (52.0)	7.3	Alnico5DG	-0.02(+0.03)	860/1580	525/977
LNG60	13.5(1350)	740 (59)	7.50 (60.0)	7.3	Alnico5-7	-0.02(+0.03)	860/1580	525/977
LNGT28	10.0(1000)	720 (58)	3.50 (28.0)	7.3	Alnico5	-0.02(+0.03)	860/1580	525/977
LNGT36J	7.0(700)	1750 (140)	4.50 (36.0)	7.3	Alnico8HC	-0.02(+0.03)	860/1580	550/1022
LNGT52J	9.0(900)	1750 (140)	6.50 (52.0)	7.3	Alnico9HC	-0.02(+0.03)	860/1580	550/1022
*LNGT18	5.8(580)	1250 (100)	2.20 (18.0)	7.3	Alnico8	-0.02(+0.03)	860/1580	550/1022
LNGT32	8.0(800)	1250 (100)	4.00 (32.0)	7.3	Alnico8	-0.02(+0.03)	860/1580	550/1022
LNGT40	8.0(800)	1380 (110)	5.00 (40.0)	7.3	Alnico8	-0.02(+0.03)	860/1580	550/1022
LNGT60	9.0(900)	1380 (110)	7.50 (60.0)	7.3	Alnico9	-0.02(+0.03)	860/1580	550/1022
LNGT72	10.5(1050)	1400 (112)	9.00 (72.0)	7.3	Alnico9	-0.02(+0.03)	860/1580	550/1022
LNGT88	11.0(1100)	1500(120)	11.00 (88.0)	7.3	Alnico9	-0.02(+0.03)	860/1580	550/1022

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