

Sintered Aluminum-Nickel-Cobalt (AlNiCo) & Iron-Chrome-Cobalt (FeCrCo) Magnet

Sintered Aluminum-Nickel-Cobalt Magnet

牌号 Grade	MMPA Class	剩磁 Br Residual Induction		矫顽力 Hcb Coercive Force		最大磁能积 (BH)max Maximum Energy Product		居里温度 Curie Temperature	工作温度 Tw Working Temperature	剩磁可逆温度系数 α Br Temperature Coefficient	剩磁可逆温度系数 α Br Temperature Coefficient	密度 Density	
		mT	Gs	kA/m	Oe	kJ/m ³		MGoe	°C	°C	%/°C		%/°C
		Typ.		Typ.		Typ.		Typ.	Typ.	Typ.	Typ.		
FLN8	S.ALNICO3	500	5000	40	500	8	1.0	760	450	-0.022	45	6.8	
FLNG12	S.ALNICO2	700	7000	48	600	12	1.5	810	450	-0.014	45	6.8	
FLNG18	S.ALNICO4	560	5600	88	1100	18	2.3	810	450	-0.02	45	6.9	
FLNGT18	S.ALNICO7	600	6000	90	1130	18	2.2	860	450	-0.02	45	6.8	
FLNG28	S.ALNICO5	1050	10500	46	580	28	3.5	860	450	-0.016	45	6.9	
FLNG34	S.ALNICO5	1200	12000	48	600	34	4.3	860	450	-0.016	45	6.9	
FLNGT28	S.ALNICO6	1050	10500	56	700	28	3.5	850	450	-0.02	45	6.9	
FLNGT38	S.ALNICO8	800	8000	120	1500	38	4.8	850	450	-0.02	45	7	
FLNGT42	S.ALNICO8	880	8800	120	1500	42	5.3	820	450	-0.02	45	7	
FLNGT33J	S.ALNICO8HC	700	7000	140	1750	33	4.1	850	450	-0.025	45	7	
FLNGT40J	S.ALNICO8HC	800	8000	144	1800	40	5.0	850	450	-0.025	45	7	
FLNGT44J	S.ALNICO8HC	820	8200	152	1900	44	5.5	850	450	-0.025	45	7	

Remark: The grades marked with blue is isotropic; Others are anisotropic

Note: Curie temperature and temperature coefficient are for reference only, but not as inspection base.

Iron-Chrome-Cobalt Magnet

牌号 Grade	剩磁 Br Residual Induction		矫顽力 Hcb Coercive Force		内禀矫顽力 Hcj Intrinsic Coercive Force		最大磁能积 (BH)max Maximum Energy Product		密度 Density	居里温度 Curie Temperature	备注 Remark	
	mT	kGs	kA/m	Oe	kA/m	Oe	kJ/m ³		MGoe	g/cm ³		°C
	Typ.		Typ.		Typ.		Typ.		Typ.	Typ.		
FeCrCo10/3	820	8.2	27	340	29	360	10	1.25	7.6	640	Isotropic	
FeCrCo12/4	800	8	40	500	42	530	12	1.5	7.6	640		
FeCrCo28/5	1000	10	45	570	46	580	28	3.5	7.6	640	Anisotropic	
FeCrCo30/4	1150	11.5	40	500	41	510	30	3.8	7.6	640		
FeCrCo35/5	1050	10.5	50	630	51	640	35	4.4	7.6	640		
FeCrCo36/5	1200	12	52	660	54	680	36	4.5	7.8	640		
FeCrCo44/4	1300	13	44	560	45	570	44	5.5	7.7	640		
FeCrCo52/5	1350	13.5	48	600	49	620	52	6.5	7.7	640		