烧结钕铁硼性能参数

Sintered NdFeB Performance Parameters

常规牌号

Traditional Magnet Grades

系列 Item	牌号 Magnet Grades	剩磁Br Remanence Br				内禀矫顽力Hcj Coercivity Hcj		矫顽力Hcb Coercivity Hcb		最大磁能积（BH）max Max Energy Product (BH)max				温度系数|αBr| Temperature Coefficient	温度系数|βHcj| Temperature Coefficient	密度 Density ρ	最高工作温度 maximum working temperature	方形度 Demagnetization curve rectangularity %	回复磁导率 Magnetic permeability
		T		KGS		KA/m	KOe	KA/m	KOe	KJ/m^3		MGOe		%.℃$^{-1}$	%.℃$^{-1}$	g/cm3	℃	Hk/Hcj	μ rec
		Min.	Max.	Min.	Max.	Min.	Min.	Min.	Min.	Min.	Max.	Min.	Max.	Typ.	Typ.	Typ.	(L/D=0.7) Typ.	Min	Typ.
N	N56	1.48	1.52	14.8	15.2	876	11	836	10.5	414	454	52	57	0.115	0.75	7.50	80	95	1.05
	N54	1.45	1.49	14.5	14.9	955	12	836	10.5	406	438	51	55						
	N52	1.42	1.46	14.2	14.6	955	12	836	10.5	390	422	49	53						
	N50	1.39	1.44	13.9	14.4	955	12	836	10.5	366	406	46	51						
	N48	1.37	1.42	13.7	14.2	955	12	836	10.5	358	390	45	49						
	N45	1.33	1.37	13.3	13.7	955	12	860	10.8	342	366	43	46						
	N42	1.29	1.33	12.9	13.3	955	12	860	10.8	318	342	40	43						
	N40	1.26	1.29	12.6	12.9	955	12	860	10.8	302	326	38	41						
	N38	1.23	1.26	12.3	12.6	955	12	860	10.8	287	310	36	39						
	N35	1.18	1.23	11.8	12.3	955	12	860	10.8	263	287	33	36						
M	56M	1.46	1.50	14.6	15.0	1114	14	1075	13.5	422	446	51	56	0.115	0.70	7.50	100	95	
	54M	1.44	1.49	14.4	14.9	1114	14	1043	13.1	398	438	50	55						
	52M	1.42	1.46	14.2	14.6	1114	14	1043	12.8	382	422	48	53						
	50M	1.39	1.44	13.9	14.4	1114	14	1043	13.0	366	406	46	51						
	48M	1.37	1.42	13.7	14.2	1114	14	1027	12.7	358	390	45	49						
	45M	1.33	1.38	13.3	13.8	1114	14	1003	12.2	334	366	42	46						
	42M	1.29	1.33	12.9	13.3	1114	14	938	11.8	318	342	40	43						
	40M	1.26	1.29	12.6	12.9	1114	14	910	11.4	302	326	38	41						
	38M	1.23	1.26	12.3	12.6	1114	14	876	11.0	287	310	36	39						
	35M	1.18	1.23	11.8	12.3	1114	14	860	10.8	263	287	33	36						
H	56H	1.45	1.50	14.5	15.0	1274	16	1091	13.7	406	446	51	56	0.115	0.65	7.50	120	95	
	54H	1.44	1.49	14.4	14.9	1353	17	1075	13.5	398	438	50	55						
	52H	1.42	1.46	14.2	14.6	1353	17	1059	13.3	382	422	48	53						
	50H	1.39	1.44	13.9	14.4	1353	17	1043	13.1	366	406	46	51						
	48H	1.37	1.42	13.7	14.2	1353	17	1027	12.9	358	390	45	49						
	45H	1.34	1.39	13.4	13.9	1353	17	955	12.5	342	374	43	47						
	42H	1.29	1.34	12.9	13.4	1353	17	957	12.0	318	350	40	44						
	40H	1.26	1.32	12.6	13.2	1353	17	930	11.7	302	334	38	42						
	38H	1.22	1.27	12.2	12.7	1353	17	910	11.4	279	318	35	40						
	35H	1.18	1.23	11.8	12.3	1353	17	876	11.0	247	271	31	34						
SH	52	1.41	1.46	14.1	14.6	1592	20	1059	13.3	374	414	47	52	0.115	0.55	7.50	150	90	
	50	1.39	1.44	13.9	14.4	1592	20	1043	13.1	366	406	46	51						
	48	1.37	1.42	13.7	14.2	1592	20	1027	12.9	358	390	45	49						
	45	1.33	1.38	13.3	13.8	1592	20	1003	12.6	334	366	42	46						
	42	1.29	1.34	12.9	13.4	1592	20	979	12.3	318	350	40	44						
	40	1.26	1.32	12.6	13.2	1592	20	955	12.0	302	334	38	42						
	38	1.22	1.27	12.2	12.7	1592	20	931	11.7	279	318	35	40						
	35	1.18	1.25	11.8	12.5	1592	20	884	11.1	263	302	33	38						
UH	50UH	1.39	1.43	13.9	14.3	1910	25	1035	12.9	358	390	47	51	0.115	0.50	7.55	180	90	
	48	1.37	1.42	13.7	14.2	1910	25	1019	12.9	358	390	45	49						
	45	1.33	1.38	13.3	13.8	1910	25	979	12.6	334	366	42	46						
	42	1.29	1.34	12.9	13.4	1990	25	971	12.3	318	350	40	44						
	40	1.26	1.32	12.6	13.2	1990	25	955	12.0	302	334	38	42						
	38	1.22	1.27	12.2	12.7	1990	25	923	11.6	279	318	35	40						
	35	1.18	1.25	11.8	12.5	1990	25	884	11.1	263	302	33	38						
	33	1.14	1.19	11.4	11.9	1990	25	860	10.8	247	279	31	35						
EH	45EH	1.32	1.36	13.2	13.6	2308	30	995	12.5	334	366	42	46	0.112	0.45	7.60	200	90	
	42	1.29	1.34	12.9	13.4	2308	30	979	12.3	318	350	40	44						
	40	1.26	1.32	12.6	13.2	2388	30	955	12.0	302	334	38	42						
	38	1.22	1.27	12.2	12.7	2388	30	923	11.6	287	318	36	40						
	35	1.18	1.25	11.8	12.5	2388	30	884	11.1	263	302	33	38						
	33	1.14	1.19	11.4	11.9	2388	30	860	10.8	247	279	31	35						
	30	1.08	1.14	10.8	11.4	2388	30	812	10.2	223	255	28	32						
AH	35	1.18	1.25	11.8	12.5	2786	35	884	11.1	263	302	33	38	0.112	0.45	7.60	230	90	
	33	1.14	1.19	11.4	11.9	2786	35	860	10.8	247	279	31	35						
	30	1.08	1.14	10.8	11.4	2786	35	812	10.2	223	255	28	32						
VH	30VH	1.08	1.14	10.8	11.4	3104	39	812	10.2	223	255	28	32	0.112	0.45	7.60	250	90	
	28VH	1.05	1.10	10.5	11.0	3104	39	788	9.9	207	239	26	30						

注：

1.产品牌号表所有牌号性能数据，是符合国家标准GB/T3217-2013检测方法和GB/T29628-2013永磁脉冲测量方法指南；
All the properties in this grade table are measured acccording the national stardard GB/T3217-2013 and permanent magnet pulse messurement methods guide of GB/T29628-2013;

2.产品牌号表中的所有牌号温度系数、产品密度及工作温度均为参考值；
The data of temperature coefficient, product density and working temperature of all grades in the table are referene values.

3.表中最高工作温度是指：D10*7标准柱（或符合直径D、高度L: D/L=0.7）开路情况下高温2H且恢复到室温后磁通与未加热前室温下的磁通对比，磁损≤5%的最高温度；
Maxmum operating temperature refers to:standard cylinder of D10*7(or in line with diameter D and height L: D/L=0.7)under open circuit condition;
The magnetic flux after high temperature 2H and return to room temperature was compared with the magnetic flux at room temperature before heating,and the maximum temperature of magnetic loss was ≤5%;

4.特殊性能要求的产品可根据客户特殊性能要求定制生产；
Jinconn Company can produce magnets of special perfomance according to the customer requirements;