



杭州智宇磁业科技有限公司烧结钕铁硼牌号对照表

Comparison table of sintered NdFeB grades of Hangzhou Zhiyu Magnetic Technology Co., Ltd.

Parameter	Remanence (Br)				Intrinsic Coercivity (Hcj)		Coercivity (Hcb)		Max Energy Product(BH) max				Density ρ	Relative Recoil Permeability (μ _{rec})	Temperature Coefficient (α)		Max Working Temperature	
	T		kGs		kA/m	kOe	kA/m	kOe	kJ/m ³		MGOe		g/cm ³		α _{Br}	α _{Hcj}	°C	
	Max	Min	Max	Min	Min	Min	Min	Min	Max	Min	Max	Min	Min		%/°C	%/°C	(L/D=0.7)	
Series	Grade																	
N	N56	1.51	1.47	15.1	14.7	876	11.00	836	10.5	454	414	57	52	7.5		-0.12	-0.76	80
	N54	1.49	1.45	14.9	14.5	955	12.00	836	10.5	437	406	55	51	7.5	1.05	-0.12	-0.76	80
	N52	1.46	1.42	14.6	14.2	955	12.00	836	10.5	422	390	53	49	7.5	1.05	-0.12	-0.76	80
	N50	1.44	1.39	14.4	13.9	955	12	860	10.8	406	374	51	47	7.5	1.05	-0.12	-0.76	80
	N48	1.43	1.37	14.3	13.7	955	12	860	10.8	390	358	49	45	7.5	1.05	-0.12	-0.76	80
	N45	1.37	1.32	13.7	13.2	955	12	860	10.8	366	342	46	43	7.5	1.05	-0.12	-0.76	80

	N42	1.32	1.28	13.2	12.8	955	12	860	10.8	342	318	43	40	7.5	1.05	-0.12	-0.76	80
M	56M	1.5	1.46	15	14.6	1035	14	995	12.5	446	406	56	51	7.5	1.05	-0.12	-0.68	100
	54M	1.49	1.44	14.9	14.4	1114	14	1035	13	438	398	55	50	7.5	1.05	-0.12	-0.68	100
	52M	1.46	1.42	14.6	14.2	1114	14	1035	13	422	382	53	48	7.5	1.05	-0.12	-0.68	100
	50M	1.44	1.39	14.4	13.9	1114	14	1035	13	406	374	51	47	7.5	1.05	-0.12	-0.68	100
	48M	1.42	1.37	14.2	13.7	1114	14	1027	12.9	390	358	49	45	7.5	1.05	-0.12	-0.68	100
	45M	1.37	1.32	13.7	13.2	1114	14	995	12.5	366	342	46	43	7.5	1.05	-0.12	-0.68	100
	42M	1.32	1.28	13.2	12.8	1114	14	955	12	342	318	43	40	7.5	1.05	-0.12	-0.68	100
	40M	1.28	1.25	12.8	12.5	1114	14	923	11.6	326	302	41	38	7.5	1.05	-0.12	-0.68	100
	H	54H	1.49	1.44	14.9	14.4	1353	17	1075	13.5	438	398	55	50	7.5	1.05	-0.12	-0.66
52H		1.46	1.42	14.6	14.2	1353	17	1059	13.3	422	382	53	48	7.5	1.05	-0.12	-0.66	120
50H		1.44	1.39	14.4	13.9	1353	17	1043	13.1	406	374	51	47	7.5	1.05	-0.12	-0.66	120
48H		1.42	1.36	14.2	13.6	1353	17	1027	12.9	390	358	49	45	7.5	1.05	-0.12	-0.66	120

	45H	1.37	1.32	13.7	13.2	1353	17	995	12.5	366	342	46	43	7.5	1.05	-0.12	-0.66	120
	42H	1.32	1.28	13.2	12.8	1353	17	955	12	342	318	43	40	7.5	1.05	-0.12	-0.66	120
	40H	1.28	1.25	12.8	12.5	1353	17	923	11.6	326	302	41	38	7.5	1.05	-0.12	-0.66	120
	38H	1.25	1.22	12.5	12.3	1353	17	899	11.3	310	287	39	36	7.5	1.05	-0.12	-0.66	120
	35H	1.22	1.17	12.2	11.7	1353	17	868	10.9	287	263	36	33	7.5	1.05	-0.12	-0.66	120
SH	54SH	1.49	1.44	14.9	14.4	1592	20	1075	13.5	438	398	55	50	7.5	1.04	-0.115	-0.56	150
	52SH	1.46	1.42	14.6	14.2	1592	20	1059	13.3	422	390	53	49	7.5	1.04	-0.115	-0.56	150
	50SH	1.42	1.39	14.2	13.9	1592	20	1043	13.1	406	374	51	47	7.5	1.04	-0.115	-0.56	150
	48SH	1.4	1.36	14	13.6	1592	20	1035	13	390	358	49	45	7.5	1.04	-0.115	-0.56	150
	45SH	1.37	1.32	13.7	13.2	1592	20	995	12.5	366	342	46	43	7.5	1.04	-0.115	-0.56	150
	42SH	1.32	1.28	13.2	12.8	1592	20	955	12	342	318	43	40	7.5	1.04	-0.115	-0.56	150
	40SH	1.28	1.25	12.8	12.5	1592	20	939	11.8	326	302	41	38	7.5	1.04	-0.115	-0.56	150
	38SH	1.25	1.22	12.5	12.2	1592	20	907	11.4	310	287	39	36	7.5	1.04	-0.115	-0.56	150

	35SH	1.22	1.17	12.2	11.7	1592	20	876	11	287	263	36	33	7.5	1.04	-0.115	-0.56	150
	33SH	1.17	1.13	11.7	11.3	1592	20	844	10.6	271	247	34	31	7.5	1.04	-0.115	-0.56	150
UH	52UH	1.46	1.42	14.6	14.2	1990	25	1059	13.3	422	390	53	49	7.55	1.03	-0.11	-0.5	180
	50UH	1.42	1.39	14.2	13.9	1990	25	1043	13.1	406	374	51	47	7.55	1.03	-0.11	-0.5	180
	48UH	1.4	1.36	14	13.6	1990	25	1031	12.9	390	358	49	45	7.55	1.03	-0.11	-0.5	180
	45UH	1.36	1.32	13.6	13.2	1990	25	1003	12.6	366	342	46	43	7.55	1.03	-0.11	-0.5	180
	42UH	1.32	1.28	13.2	12.8	1990	25	971	12.2	342	318	43	40	7.55	1.03	-0.11	-0.5	180
	40UH	1.28	1.25	12.8	12.5	1990	25	923	11.6	326	302	41	38	7.55	1.03	-0.11	-0.5	180
	38UH	1.25	1.22	12.5	12.2	1990	25	907	11.4	310	287	39	36	7.55	1.03	-0.11	-0.5	180
	35UH	1.22	1.17	12.2	11.7	1990	25	860	10.8	287	263	36	33	7.55	1.03	-0.11	-0.5	180
	33UH	1.17	1.13	11.7	11.3	1990	25	852	10.7	271	247	34	31	7.55	1.03	-0.11	-0.5	180
	30UH	1.13	1.08	11.3	10.8	1990	25	812	10.2	247	223	31	28	7.55	1.03	-0.11	-0.5	180
EH	50EH	1.42	1.39	14.2	13.9	2308	29	1043	13.1	406	374	51	47	7.6	1.03	-0.1	-0.45	200

	48EH	1.36	1.4	13.5	14	2308	29	1031	12.9	390	358	49	45	7.6	1.03	-0.1	-0.45	200
	45EH	1.36	1.32	13.6	13.2	2388	30	1003	12.6	366	342	46	43	7.6	1.03	-0.1	-0.45	200
	42EH	1.32	1.28	13.2	12.8	2388	30	970	12.2	342	318	43	40	7.6	1.03	-0.1	-0.45	200
	40EH	1.28	1.25	12.8	12.5	2388	30	947	11.9	326	302	41	38	7.6	1.03	-0.1	-0.45	200
	38EH	1.25	1.22	12.5	12.2	2388	30	915	11.5	310	287	39	36	7.6	1.03	-0.1	-0.45	200
	35EH	1.22	1.17	12.2	11.7	2388	30	884	11.1	287	263	36	33	7.6	1.03	-0.1	-0.45	200
	33EH	1.17	1.13	11.7	11.3	2388	30	860	10.8	271	247	34	31	7.6	1.03	-0.1	-0.45	200
	30EH	1.13	1.08	11.3	10.8	2388	30	820	10.3	247	223	31	28	7.6	1.03	-0.1	-0.45	200
AH	45AH	1.36	1.32	13.6	13.2	2640	33	1003	12.6	366	342	46	43	7.6	1.03	-0.1	-0.45	230
	42AH	1.32	1.28	13.2	12.8	2706	34	970	12.2	342	318	43	40	7.6	1.03	-0.1	-0.45	230
	40AH	1.28	1.25	12.8	12.5	2786	35	947	11.9	326	302	41	38	7.6	1.03	-0.1	-0.45	230
	38AH	1.25	1.22	12.5	12.2	2786	35	915	11.5	310	287	39	36	7.6	1.03	-0.1	-0.45	230
	35AH	1.2	1.17	12	11.7	2786	35	883	11.1	287	263	36	33	7.6	1.03	-0.1	-0.45	230

	33AH	1.17	1.11	11.7	11.1	2786	35	844	10.6	271	239	34	31	7.6	1.03	-0.1	-0.45	230
	30AH	1.13	1.07	11.3	10.7	2786	35	812	10.2	247	215	31	27	7.6	1.03	-0.1	-0.45	230
	28AH	1.09	1.02	10.9	10.2	2786	35	772	9.7	231	199	29	25	7.6	1.03	-0.1	-0.45	230
TH	42TH	1.32	1.28	13.2	12.8	3104	39	970	12.2	342	318	43	40	7.6	1.03	-0.1	-0.42	250
	40TH	1.28	1.25	12.8	12.5	3182	40	947	11.9	326	302	41	38	7.6	1.03	-0.1	-0.42	250
	38TH	1.25	1.22	12.5	12.2	3182	40	915	11.5	310	287	39	36	7.6	1.03	-0.1	-0.42	250
	35TH	1.22	1.17	12.2	11.7	3182	40	867	10.9	287	263	36	33	7.6	1.03	-0.1	-0.42	250
	33TH	1.17	1.11	11.7	11.1	3182	40	851	10.7	271	239	34	31	7.6	1.03	-0.1	-0.42	250
	30TH	1.13	1.08	11.3	10.8	3182	40	820	10.3	247	223	31	28	7.6	1.03	-0.1	-0.42	250

备注：计算温度系数的温度区间划分为：SH 档及以下， $\Delta T:20-100^{\circ}\text{C}$ ；SH 档及以上， $\Delta T:20-150^{\circ}\text{C}$ ，温度系数仅作参考，详细退磁曲线请和我们销售人员联系。

Note: Temperature Coefficient calculated by temperature range: $H_{cj}<20\text{kOe},\Delta T:20-100^{\circ}\text{C};H_{cj}\geq 20\text{kOe},\Delta T:20-150^{\circ}\text{C}$, Please contact our sales staff for more demagnetization curve.

无镝钕磁体 Dysprosium free magnets	含镝钕磁体 Magnets with Heavy Rare Earth Dysprosium or Terbium	晶界扩散技术生产的磁体，适合磁向 $\leq 8\text{mm}$ 磁体，目前可批量生产。 Magnets with grain boundary diffusion process, it is fit for finished product of magnetized size $\leq 8\text{mm}$, It is currently available for mass production
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