

**烧结钕铁硼性能等级表**  
**Magnetic Properties of Sintered NdFeB Magnets**

系列	牌号	剩磁 Remanence		矫顽力 Coercivity		内禀矫顽力 Intrinsic Coercivity		最大磁能积 Max energy product		最高工作温度 Max Working Temp	
Series	Grade	Br		Hcb		Hcj		(BH)Max		Tw (L/D≥0.7)	
		kGs	T	KOe	kA/m	KOe	kA/m	MGOe	KJ/m3	摄氏度 Celsius	华氏度 Fahrenheit
N	N35	11.7-12.2	1.17-1.22	≥10.9	≥ 868	≥12	≥955	33-36	263-287	80 °C	176
	N38	12.2-12.5	1.22-1.25	≥11.3	≥ 899	≥12	≥955	36-39	287-310		
	N40	12.5-12.8	1.25-1.28	≥11.4	≥ 907	≥12	≥955	38-41	302-326		
	N42	12.8-13.2	1.28-1.32	≥11.5	≥ 915	≥12	≥955	40-43	318-342		
	N45	13.2-13.8	1.32-1.38	≥11.6	≥ 923	≥12	≥955	43-46	342-366		
	N48	13.8-14.2	1.38-1.42	≥11.6	≥ 923	≥12	≥955	46-49	366-390		
	N50	14.0-14.5	1.40-1.45	≥12.0	≥ 955	≥11	≥876	48-51	382-406		
	N52	14.3-14.8	1.43-1.48	≥11.0	≥ 876	≥11	≥876	50-53	398-422		
N54	14.5-15.0	1.45-1.50	≥11.0	≥ 876	≥11	≥876	52-55	414-438			
M	35M	11.7-12.2	1.17-1.22	≥10.9	≥ 868	≥14	≥ 1114	33-36	263-287	100 °C	212
	38M	12.2-12.5	1.22-1.25	≥11.3	≥ 899	≥14	≥ 1114	36-39	287-310		
	40M	12.5-12.8	1.25-1.28	≥11.6	≥ 923	≥14	≥ 1114	38-41	302-326		
	42M	12.8-13.2	1.28-1.32	≥12.0	≥ 955	≥14	≥ 1114	40-43	318-342		
	45M	13.2-13.8	1.32-1.38	≥12.5	≥ 995	≥14	≥ 1114	43-46	342-366		
	48M	13.7-14.3	1.37-1.43	≥12.9	≥ 1027	≥14	≥ 1114	46-49	366-390		
	50M	14.0-14.5	1.40-1.45	≥13.0	≥ 1033	≥14	≥ 1114	48-51	382-406		
	52M	14.3-14.8	1.43-1.48	≥13.1	≥ 1043	≥14	≥ 1114	50-53	398-422		
H	35H	11.7-12.2	1.17-1.22	≥10.9	≥ 868	≥17	≥1353	33-36	263-287	120 °C	248
	38H	12.2-12.5	1.22-1.25	≥11.3	≥ 899	≥17	≥1353	36-39	287-310		
	40H	12.5-12.8	1.25-1.28	≥11.6	≥ 923	≥17	≥1353	38-41	302-326		
	42H	12.8-13.2	1.28-1.32	≥12.0	≥ 955	≥17	≥1353	40-43	318-342		
	45H	13.2-13.8	1.32-1.38	≥12.3	≥ 973	≥17	≥1353	43-46	326-358		
	48H	13.7-14.3	1.37-1.43	≥12.5	≥ 995	≥17	≥1353	46-49	366-390		
	50H	14.0-14.5	1.40-1.45	≥12.6	≥ 1003	≥17	≥1353	48-51	382-406		
SH	35SH	11.7-12.2	1.17-1.22	≥11.0	≥ 876	≥20	≥ 1592	33-36	263-287	150 °C	302
	38SH	12.2-12.5	1.22-1.25	≥11.4	≥ 907	≥20	≥ 1592	36-39	287-310		
	40SH	12.5-12.8	1.25-1.28	≥11.8	≥ 939	≥20	≥ 1592	38-41	302-326		
	42SH	12.8-13.2	1.28-1.32	≥12.1	≥ 963	≥20	≥ 1592	40-43	318-342		
	45SH	13.2-13.8	1.32-1.38	≥12.3	≥ 979	≥20	≥ 1592	43-46	342-366		
	48SH	13.7-14.3	1.37-1.43	≥12.7	≥ 1011	≥20	≥ 1592	46-49	366-390		
UH	28UH	10.4-10.8	1.04-1.08	≥9.6	≥ 764	≥25	≥ 1990	26-29	207-231	180 °C	356
	30UH	10.8-11.3	1.08-1.13	≥10.2	≥ 812	≥25	≥ 1990	28-31	223-247		
	33UH	11.3-11.7	1.13-1.17	≥10.7	≥ 852	≥25	≥ 1990	31-34	247-271		
	35UH	11.7-12.2	1.17-1.22	≥10.8	≥ 860	≥25	≥ 1990	33-36	263-287		
	38UH	12.2-12.5	1.22-1.25	≥11.3	≥ 899	≥25	≥ 1990	36-39	287-310		
	40UH	12.5-12.8	1.25-1.28	≥11.8	≥ 939	≥25	≥ 1990	38-41	302-326		
	42UH	12.8-13.2	1.28-1.32	≥12.1	≥ 963	≥25	≥ 1990	40-43	318-342		
	45UH	13.2-13.8	1.32-1.38	≥12.3	≥ 979	≥25	≥ 1990	43-46	342-366		
28EH	10.4-10.8	1.04-1.08	≥9.8	≥ 780	≥30	≥ 2388	26-29	207-231			

EH	30EH	10.8-11.3	1.08-1.13	$\geq 10.2$	$\geq 812$	$\geq 30$	$\geq 2388$	28-31	223-247	200 °C	392
	33EH	11.3-11.7	1.13-1.17	$\geq 10.5$	$\geq 836$	$\geq 30$	$\geq 2388$	31-34	247-271		
	35EH	11.7-12.2	1.17-1.22	$\geq 11.0$	$\geq 876$	$\geq 30$	$\geq 2388$	33-36	263-287		
	38EH	12.2-12.5	1.22-1.25	$\geq 11.3$	$\geq 899$	$\geq 30$	$\geq 2388$	36-39	287-310		
	40EH	12.5-12.8	1.25-1.28	$\geq 11.6$	$\geq 923$	$\geq 30$	$\geq 2388$	38-41	302-326		
	42EH	12.8-13.2	1.28-1.32	$\geq 11.7$	$\geq 931$	$\geq 30$	$\geq 2388$	40-43	318-342		
AH	28AH	10.4-10.8	1.04-1.08	$\geq 9.9$	$\geq 787$	$\geq 33$	$\geq 2624$	26-29	207-231	230 °C	446
	30AH	10.8-11.3	1.08-1.13	$\geq 10.3$	$\geq 819$	$\geq 33$	$\geq 2624$	28-31	223-247		
	33AH	11.3-11.7	1.13-1.17	$\geq 10.6$	$\geq 843$	$\geq 33$	$\geq 2624$	31-34	247-271		
	35AH	11.7-12.2	1.17-1.22	$\geq 11.0$	$\geq 876$	$\geq 33$	$\geq 2624$	33-36	263-287		
	38AH	12.2-12.5	1.22-1.25	$\geq 11.3$	$\geq 899$	$\geq 33$	$\geq 2624$	36-39	287-310		
	40AH	12.5-12.8	1.25-1.28	$\geq 11.6$	$\geq 923$	$\geq 33$	$\geq 2624$	38-41	302-326		

**备注Note:**

·以上磁性参数和物理特性均为室温下的数据。

The above-mentioned data of magnetic parameters and physical properties are given at room temperature.

·最大工作温度依赖于磁性的长径比，镀层和环境因数。

The maximum working temperature of magnet is changeable due to ratio of length and diameter and environment factors.