

Magnetic Properties of Sintered NdFeB Magnets

Product description

Besides the standard grade, we are able to offer as high grade as N54, 52H, 54M, 52SH, 50UH, 45EH and 35AH.

类别 Category	牌号 Grade		剩磁 Remanence (Br)		内禀矫顽力 Intrinsic Coercivity (Hcj)		矫顽力 Coercivity (Hcb)		最大磁能积 Maximum Product Energy (BH)max				最高工作温度 The maximum operating temperature	
			最小值/Min		最小值/Min		最小值/Min		最小值/Min		最大值/Max		最大值/Max	
			T	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	kJ/m ³	MGOe	°C	L/D=0.7
N	N54	N54	1.44	14.4	876	11	1075	13.5	398	50	430	54	80	
	N52	N52	1.42	14.2	876	11	1035	13.0	382	48	414	52		
	N50	N50	1.4	14.0	876	11	1035	13.0	375	47	406	51		
M	54M	54M	1.44	14.4	1115	14	1075	13.5	398	50	430	54	100	
	52M	52M	1.42	14.2	1115	14	1059	13.3	382	48	414	52		
	50M	50M	1.4	14.0	1115	14	1035	13.0	375	47	406	51		
	48M	48M	1.37	13.7	1115	14	1019	12.8	359	45	390	49		
H	52H	52HT	1.42	14.2	1433	18	1059	13.3	382	48	414	52	120	
		52H	1.42	14.2	1274	16	1059	13.3	382	48	414	52		
	50H	50HT	1.4	14.0	1433	18	1035	13.0	375	47	406	51		
		50H	1.4	14.0	1274	16	1035	13.0	375	47	406	51		
	48H	48HT	1.37	13.7	1433	18	1019	12.8	359	45	390	49		
		48H	1.37	13.7	1274	16	1019	12.8	359	45	390	49		
	45H	45HT	1.33	13.3	1433	18	1011	12.7	335	42	367	46		
		45H	1.33	13.3	1353	17	1011	12.7	335	42	367	46		
SH	52SH	52SH	1.42	14.2	1592	20	1059	13.3	390	49	422	53	150	
	50SH	50SHT	1.4	14.0	1751	22	1035	13.0	375	47	406	51		
		50SH	1.4	14.0	1592	20	1035	13.0	375	47	406	51		
	48SH	48SHT	1.37	13.7	1672	21	1019	12.8	359	45	390	49		
		48SH	1.37	13.7	1592	20	1019	12.8	359	45	390	49		
	45SH	45SHT	1.33	13.3	1751	22	1011	12.7	335	42	367	46		
		45SH	1.33	13.3	1592	20	1011	12.7	335	42	367	46		
	42SH	42SHT	1.3	13.0	1751	22	971	12.2	319	40	351	44		
		42SH	1.3	13.0	1592	20	971	12.2	319	40	351	44		
	40SH	40SHT	1.26	12.6	1751	22	948	11.9	303	38	335	42		
		40SH	1.26	12.6	1592	20	948	11.9	303	38	335	42		
	38SH	38SHT	1.22	12.2	1751	22	924	11.6	287	36	319	40		
		38SH	1.22	12.2	1592	20	924	11.6	287	36	319	40		

Note:

1. The above-mentioned data of magnetic parameters and physical properties are given at room temperature.
2. The maximum working temperature of magnet is changeable due to ratio of length and diameter and environmental factors.

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			最小值/Min		最小值/Min		最小值/Min		最小值/Min		最大值/Max		最大值/Max
			T	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	kJ/m ³	MGOe	℃ L/D=0.7
UH	50UH	50UH	1.4	14.0	1990	25	1043	13.1	375	47	406	51	180
	48UH	48UHT	1.37	13.7	2149	27	1027	12.9	359	45	390	49	
	48UH	48UH	1.37	13.7	1990	25	1027	12.9	359	45	390	49	
	45UH	45UHT	1.33	13.3	2149	27	1011	12.7	335	42	367	46	
	45UH	45UH	1.33	13.3	1990	25	1011	12.7	335	42	367	46	
	42UH	42UHT	1.3	13.0	2149	27	971	12.2	319	40	351	44	
	42UH	42UH	1.3	13.0	1990	25	971	12.2	319	40	351	44	
	40UH	40UHT	1.26	12.6	2149	27	948	11.9	303	38	335	42	
	40UH	40UH	1.26	12.6	1990	25	948	11.9	303	38	335	42	
	38UH	38UHT	1.22	12.2	2149	27	924	11.6	287	36	319	40	
EH	38UH	38UH	1.22	12.2	1990	25	924	11.6	287	36	319	40	200
	35UH	35UHT	1.18	11.8	2149	27	884	11.1	255	32	287	36	
	35UH	35UH	1.18	11.8	1990	25	884	11.1	255	32	287	36	
	45EH	45EH	1.33	13.3	2388	30	1011	12.7	335	42	367	46	
	42EH	42EH	1.3	13.0	2388	30	971	12.2	319	40	351	44	
	40EH	40EH	1.26	12.6	2388	30	948	11.9	303	38	335	42	
	38EH	38EH	1.22	12.2	2388	30	924	11.6	287	36	319	40	
	35EHT	35EHT	1.18	11.8	2547	32	884	11.1	255	32	287	36	
	35EH	35EH	1.18	11.8	2388	30	884	11.1	255	32	287	36	
	33EHT	33EHT	1.14	11.4	2547	32	860	10.8	239	30	271	34	
AH	33EH	33EH	1.14	11.4	2388	30	860	10.8	239	30	271	34	220
	35AH	35AH	1.18	11.8	2786	35	884	11.1	255	32	287	36	
	33AH	33AH	1.14	11.4	2786	35	860	10.8	239	30	271	34	
	30AH	30AH	1.08	10.8	2786	35	820	10.3	223	28	255	32	

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