

杭州科德磁业有限公司

HANGZHOU KEDE MAGNETICS COMPONENTS CO., LTD.

中国浙江省杭州市桐庐县樟青塘路168号, 邮编: 311500

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Typical Magnetic Properties of Sintered NdFeB Magnets (烧结钕铁硼磁铁典型磁性能表)

牌号 Grade	剩磁 Remanence induction		矫顽力 Coercive force		内禀矫顽力 Intrinsic Coercive force		最大磁能积 Maximum Energy product		工作温度 Working Temperature	密度 Density
	B _r		H _{cB}		H _{cJ}		(BH) _{max}		T _w	ρ
	T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	°C	g/cm ³
一般工艺 General Process										
N38	1.23-1.27	12.3-12.7	≥860	≥10.8	≥955	≥12	287-318	36-40	≤80	≥7.5
N40	1.26-1.31	12.6-13.1	≥860	≥10.8	≥955	≥12	302-334	38-42	≤80	≥7.5
N42	1.29-1.35	12.9-13.5	≥860	≥10.8	≥955	≥12	318-350	40-44	≤80	≥7.5
N45	1.33-1.38	13.3-13.8	≥860	≥10.8	≥955	≥12	334-366	42-46	≤80	≥7.5
N48	1.37-1.42	13.7-14.2	≥860	≥10.8	≥955	≥12	358-390	45-49	≤80	≥7.5
N50	1.40-1.45	14.0-14.5	≥860	≥10.8	≥955	≥12	374-406	47-51	≤80	≥7.5
N52	1.42-1.48	14.2-14.8	≥860	≥10.8	≥955	≥12	390-422	49-53	≤80	≥7.5
N55	1.46-1.51	14.6-15.1	≥860	≥10.8	≥955	≥12	406-438	51-55	≤80	≥7.5
N38M	1.23-1.27	12.3-12.7	≥876	≥11.0	≥1114	≥14	287-318	36-40	≤100	≥7.5
N40M	1.26-1.31	12.6-13.1	≥939	≥11.8	≥1114	≥14	302-334	38-42	≤100	≥7.5
N42M	1.29-1.35	12.9-13.5	≥955	≥12.0	≥1114	≥14	318-350	40-44	≤100	≥7.5
N45M	1.33-1.38	13.3-13.8	≥971	≥12.2	≥1114	≥14	334-366	42-46	≤100	≥7.5
N48M	1.37-1.42	13.7-14.2	≥1012	≥12.7	≥1114	≥14	358-390	45-49	≤100	≥7.5
N50M	1.40-1.45	14.0-14.5	≥1035	≥13.0	≥1114	≥14	374-406	47-51	≤100	≥7.5
N52M	1.42-1.48	14.2-14.8	≥995	≥12.5	≥1114	≥14	390-422	49-53	≤100	≥7.5
N54M	1.46-1.51	14.6-15.1	≥995	≥12.5	≥1035	≥13	406-438	51-55	≤100	≥7.5
N35H	1.17-1.24	11.7-12.4	≥876	≥11.0	≥1353	≥17	263-295	33-37	≤120	≥7.5
N38H	1.23-1.27	12.3-12.7	≥915	≥11.5	≥1353	≥17	287-318	36-40	≤120	≥7.5
N40H	1.26-1.31	12.6-13.1	≥939	≥11.8	≥1353	≥17	302-334	38-42	≤120	≥7.5
N42H	1.29-1.35	12.9-13.5	≥963	≥12.1	≥1353	≥17	318-350	40-44	≤120	≥7.5
N45H	1.33-1.38	13.3-13.8	≥987	≥12.4	≥1353	≥17	334-366	42-46	≤120	≥7.5
N48H	1.37-1.42	13.7-14.2	≥1011	≥12.7	≥1353	≥17	358-390	45-49	≤120	≥7.5
N50H	1.40-1.45	14.0-14.5	≥1027	≥12.9	≥1353	≥17	374-406	47-51	≤120	≥7.5
N52H	1.42-1.48	14.2-14.8	≥1059	≥13.3	≥1353	≥17	390-422	49-53	≤120	≥7.5
N33SH	1.14-1.18	11.4-11.8	≥852	≥10.7	≥1592	≥20	247-279	31-35	≤150	≥7.5
N35SH	1.17-1.24	11.7-12.4	≥876	≥11.0	≥1592	≥20	263-295	33-37	≤150	≥7.5
N38SH	1.23-1.27	12.3-12.7	≥915	≥11.5	≥1592	≥20	287-318	36-40	≤150	≥7.5
N40SH	1.26-1.31	12.6-13.1	≥939	≥11.8	≥1592	≥20	302-334	38-42	≤150	≥7.5
N42SH	1.29-1.35	12.9-13.5	≥963	≥12.1	≥1592	≥20	318-350	40-44	≤150	≥7.5
N45SH	1.33-1.38	13.3-13.8	≥987	≥12.4	≥1592	≥20	334-366	42-46	≤150	≥7.5

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牌号 Grade	剩磁 Remanence induction		矫顽力 Coercive force		内禀矫顽力 Intrinsic Coercive force		最大磁能积 Maximum Energy product		工作温度 Working Temperature	密度 Density
	B _r		H _{cB}		H _{cJ}		(BH) _{max}		T _w	ρ
	T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	°C	g/cm ³
N48SH	1.37-1.42	13.7-14.2	≥1011	≥12.7	≥1592	≥20	358-390	45-49	≤150	≥7.5
N50SH	1.40-1.45	14.0-14.5	≥1027	≥12.9	≥1592	≥20	374-406	47-51	≤150	≥7.5
N30UH	1.08-1.13	10.8-11.3	≥796	≥10.0	≥1990	≥25	223-255	28-31	≤180	≥7.5
N33UH	1.14-1.18	11.4-11.8	≥852	≥10.5	≥1990	≥25	247-279	31-35	≤180	≥7.5
N35UH	1.17-1.24	11.7-12.4	≥876	≥11.0	≥1990	≥25	263-295	33-37	≤180	≥7.5
N38UH	1.23-1.27	12.3-12.7	≥915	≥11.5	≥1990	≥25	287-318	36-40	≤180	≥7.5
N40UH	1.26-1.31	12.6-13.1	≥939	≥11.8	≥1990	≥25	302-334	38-42	≤180	≥7.5
N42UH	1.29-1.35	12.9-13.5	≥955	≥12.0	≥1990	≥25	318-350	40-44	≤180	≥7.5
N45UH	1.33-1.38	13.3-13.8	≥995	≥12.5	≥1990	≥25	334-366	42-46	≤180	≥7.5
N30EH	1.08-1.13	10.8-11.3	≥796	≥10.0	≥2388	≥30	223-255	28-31	≤200	≥7.5
N33EH	1.14-1.18	11.4-11.8	≥860	≥10.5	≥2388	≥30	247-279	31-35	≤200	≥7.5
N35EH	1.17-1.24	11.7-12.4	≥876	≥11.0	≥2388	≥30	263-295	33-37	≤200	≥7.5
N38EH	1.23-1.27	12.3-12.7	≥915	≥11.5	≥2388	≥30	287-318	36-40	≤200	≥7.5
N40EH	1.26-1.31	12.6-13.1	≥939	≥11.8	≥2388	≥30	302-334	38-42	≤200	≥7.5
N42EH	1.29-1.35	12.9-13.5	≥955	≥12.0	≥2388	≥30	318-350	40-44	≤200	≥7.5
N45EH	1.33-1.38	13.3-13.8	≥995	≥12.5	≥2308	≥29	334-366	42-46	≤200	≥7.5
N28AH	1.04-1.09	10.4-10.9	≥758	≥9.5	≥2786	≥35	207-239	26-30	≤230	≥7.5
N30AH	1.08-1.13	10.8-11.3	≥796	≥10.0	≥2786	≥35	223-255	28-31	≤230	≥7.5
N33AH	1.14-1.18	11.4-11.8	≥836	≥10.5	≥2786	≥35	247-279	31-35	≤230	≥7.5
N35AH	1.17-1.24	11.7-12.4	≥876	≥11.0	≥2786	≥35	263-295	33-37	≤230	≥7.5
N38AH	1.23-1.27	12.3-12.7	≥923	≥11.6	≥2786	≥35	287-318	36-40	≤230	≥7.5
N40AH	1.26-1.31	12.6-13.1	≥939	≥11.8	≥2628	≥33	302-334	38-42	≤230	≥7.5
N42AH	1.29-1.35	12.9-13.5	≥955	≥12.0	≥2628	≥33	318-350	40-44	≤230	≥7.5

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	B _r		H _{cB}		H _{cJ}		(BH) _{max}		T _w	ρ
	T	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	°C	g/cm ³
扩散工艺 Diffusion Process										
G48SH	1.37-1.42	13.7-14.2	≥1011	≥13	≥1592	≥20	358-390	45-49	≤150	≥7.5
G50SH	1.40-1.45	14.0-14.5	≥1027	≥13.2	≥1592	≥20	374-406	47-51	≤150	≥7.5
G52SH	1.42-1.48	14.2-14.8	≥1067	≥13.4	≥1592	≥20	390-422	49-53	≤150	≥7.5
G55SH	1.46-1.51	14.6-15.1	≥1083	≥13.6	≥1592	≥20	406-438	51-55	≤150	≥7.5
G45UH	1.33-1.38	13.3-13.8	≥978	≥12.4	≥1990	≥25	334-366	42-46	≤180	≥7.5
G48UH	1.37-1.42	13.7-14.2	≥1027	≥12.9	≥1990	≥25	358-390	45-49	≤180	≥7.5
G50UH	1.40-1.45	14.0-14.5	≥1051	≥13.2	≥1990	≥25	374-406	47-51	≤180	≥7.5
G52UH	1.42-1.48	14.2-14.8	≥1067	≥13.4	≥1990	≥25	390-422	49-53	≤180	≥7.5
G54UH	1.46-1.51	14.6-15.1	≥1075	≥13.5	≥1990	≥25	406-438	51-55	≤180	≥7.5
G40EH	1.26-1.31	12.6-13.1	≥955	≥12.0	≥2388	≥30	302-334	38-42	≤200	≥7.5
G44EH	1.29-1.35	12.9-13.5	≥971	≥12.2	≥2388	≥30	318-350	40-44	≤200	≥7.5
G46EH	1.33-1.38	13.3-13.8	≥1011	≥12.7	≥2388	≥30	334-366	42-46	≤200	≥7.5
G48EH	1.37-1.42	13.7-14.2	≥1027	≥12.9	≥2388	≥30	358-390	45-49	≤200	≥7.5
G50EH	1.40-1.45	14.0-14.5	≥1051	≥13.2	≥2308	≥29	374-406	47-51	≤200	≥7.5