

Datasheet of Sintered NdFeB at Room Temperature (烧结钕铁硼磁体的磁性能 (室温))

类别 Item	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											
N	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
M	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
H	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
SH	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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Datasheet of Sintered NdFeB at Room Temperature (烧结钕铁硼磁体的磁性能 (室温))

	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
SH	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
UH	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	≥10.7	≥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
EH	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	≥10.8	≥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
AH	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											
SH	G48SH	1.37-1.42	13.7-14.2	≥1011	≥12.7	≥1592	≥20	358-390	45-49	≤150	≥7.5
	G50SH	1.40-1.45	14.0-14.5	≥1027	≥12.9	≥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
UH	G45UH	1.33-1.38	13.3-13.8	≥978	≥12.3	≥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
EH	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