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Magnetic Properties of Sintered NdFeB Magnets

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force Hcj		Maximum Energy (BH)max		Tw.
	KGs	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m^3	(℃)
N35	11.8-12.4	1.18-1.24	≥10.80	≥860	≥12	≥ 955	33-36	263-287	≤80
N38	12.2-12.6	1.22-1.26	≥10.80	≥860	≥12	≥ 955	36-40	287-318	≤80
N40	12.6-13.0	1.26-1.30	≥10.80	≥860	≥12	≥ 955	38-42	302-334	≤80
N42	12.8-13.2	1.28-1.32	≥11.00	≥875	≥12	≥ 955	40-44	318-350	≤80
N45	13.2-13.8	1.32-1.36	≥10.50	≥836	≥12	≥ 955	42-46	334-366	≤80
N48	13.8-14.2	1.38-1.42	≥10.50	≥836	≥12	≥ 955	45-49	358-390	≤80
N50	14.0-14.4	1.40-1.44	≥10.50	≥836	≥12	≥ 955	47-51	374-406	≤80
N52	14.3-14.6	1.43-1.46	≥10.50	≥836	≥12	≥ 955	49-53	390-422	≤80
N55	14.5-15.0	1.45-1.50	≥10.50	≥836	≥12	≥ 955	52-55	414-438	≤80
N35M	11.8-12.2	1.18-1.22	≥10.80	≥860	≥14	≥1114	33-36	263-287	≤100
N38M	12.2-12.6	1.22-1.26	≥11.00	≥875	≥14	≥1114	36-40	287-318	≤100
N40M	12.6-13.0	1.26-1.30	≥11.00	≥875	≥14	≥1114	38-42	303-334	≤100
N42M	12.8-13.2	1.28-1.32	≥11.00	≥875	≥14	≥1114	40-44	318-350	≤100
N45M	13.2-13.8	1.32-1.38	≥11.50	≥910	≥14	≥1114	42-46	334-366	≤100
N48M	13.7-14.3	1.37-1.43	≥12.80	≥1019	≥14	≥1114	45-49	358-390	≤100
N50M	14.0-14.4	1.40-1.44	≥13.10	≥1043	≥14	≥1114	47-51	374-406	≤100
N52M	14.2-14.6	1.42-1.46	≥13.10	≥1043	≥14	≥1114	49-53	390-422	≤100
N33H	11.4-11.8	1.14-1.17	≥10.30	≥820	≥17	≥1356	31-35	247-279	≤120
N35H	11.8-12.2	1.18-1.22	≥10.80	≥860	≥17	≥1356	33-37	263-295	≤120
N38H	12.2-12.6	1.22-1.26	≥11.00	≥875	≥17	≥1356	36-40	287-318	≤120
N40H	12.6-13.0	1.26-1.30	≥11.00	≥875	≥17	≥1356	38-42	302-334	≤120
N42H	12.8-13.2	1.28-1.32	≥11.50	≥915	≥17	≥1356	40-44	318-350	≤120
N45H	13.2-13.6	1.32-1.36	≥12.00	≥950	≥17	≥1356	42-46	334-366	≤120
N48H	13.6-14.2	1.36-1.42	≥12.80	≥1019	≥17	≥1356	45-49	358-390	≤120
N50H	13.9-14.4	1.39-1.44	≥12.80	≥1019	≥17	≥1356	48-52	382-414	≤120
N52H	14.2-14.6	1.42-1.46	≥12.80	≥1019	≥16	≥1270	50-54	398-430	≤120
N30SH	11.0-11.4	1.10-1.14	≥ 9.80	≥780	≥20	≥1595	28-32	223-255	≤150
N33SH	11.4-11.8	1.14-1.18	≥10.30	≥820	≥20	≥1595	31-35	247-279	≤150

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	KGs	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m^3	(℃)
N35SH	11.8-12.2	1.18-1.22	≥10.80	≥860	≥20	≥1595	33-36	263-287	≤150
N38SH	12.2-12.6	1.22-1.26	≥11.00	≥875	≥20	≥1595	36-40	287-318	≤150
N40SH	12.6-13.0	1.26-1.30	≥11.00	≥875	≥20	≥1595	38-42	302-334	≤150
N42SH	12.8-13.2	1.28-1.32	≥11.50	≥915	≥20	≥1595	40-44	318-350	≤150
N45SH	13.2-13.6	1.32-1.36	≥11.50	≥915	≥20	≥1595	42-46	334-366	≤150
N48SH	13.5-14.0	1.35-1.40	≥11.50	≥915	≥20	≥1595	45-49	358-390	≤150
N50SH	14.1-14.4	1.41-1.44	≥11.50	≥915	≥19	≥1515	52-48	382-414	≤150
N28UH	10.4-11.0	1.04-1.10	≥ 9.30	≥740	≥25	≥1990	26-30	207-239	≤180
N30UH	11.0-11.4	1.10-1.14	≥ 9.80	≥780	≥25	≥1990	28-32	223-255	≤180
N33UH	11.4-11.8	1.14-1.18	≥10.30	≥820	≥25	≥1990	31-35	247-279	≤180
N35UH	11.8-12.2	1.18-1.22	≥10.80	≥860	≥25	≥1990	33-36	263-287	≤180
N38UH	12.2-12.6	1.22-1.26	≥11.00	≥875	≥25	≥1990	36-40	287-318	≤180
N40UH	12.6-13.0	1.26-1.30	≥11.00	≥875	≥25	≥1990	38-42	302-334	≤180
N42UH	12.8-13.2	1.28-1.32	≥11.00	≥875	≥25	≥1990	40-44	318-350	≤180
N45UH	13.2-13.6	1.32-1.36	≥11.00	≥875	≥24	≥1910	42-46	334-366	≤180
N28EH	10.4-11.0	1.04-1.10	≥10.30	≥820	≥30	≥2387	26-30	207-239	≤200
N30EH	10.8-114	1.08-1.14	≥10.60	≥844	≥30	≥2387	28-32	223-255	≤200
N33EH	11.2-11.8	1.12-1.18	≥10.80	≥860	≥30	≥2387	31-35	247-279	≤200
N35EH	11.7-12.2	1.17-1.22	≥10.80	≥860	≥30	≥2387	33-36	263-287	≤200
N38EH	12.2-12.6	1.22-1.26	≥11.00	≥875	≥30	≥2387	36-40	287-318	≤200
N30AH	10.8-11.5	1.08-1.15	≥10.10	≥804	≥35	≥2786	28-32	223-255	≤220
N33AH	11.4-12.2	1.14-1.22	≥10.80	≥860	≥35	≥2786	30-35	239-279	≤220
N35AH	11.6-12.2	1.16-1.22	≥10.70	≥852	≥35	≥2786	32-36	255-287	≤220

Note:

1. The data mentioned above of magnetic performance and physical properties are given at room temperature 20℃.
2. Curie temperature and temperature coefficient are for reference only, but not as an inspection items.
3. The max working temperature is changeable due to length-diameter ratio, coating thickness and environment factors.