Magnetic Properties of Sintered Nd-Fe-B Magnets

Properties		Remanence Br				Coercive Force HCB		Intrinsic Coercive HCJ		Maximum Enrtgy Product (BH) max			
No	Unit	KG		T		kOe	kA/m	kOe	kA/m	MGOe		kJ/m3	
	Grade	Max	Min	Max	Min					Max	Min	Max	Min
1	N35	12.50	11.80	1.25	1.18	≥10.8	≥860	≥12	≥955	38	33	302	263
2	N38	13.00	12.30	1.30	1.23	≥10.8	≥860	≥12	≥955	41	36	326	286
3	N40	13.20	12.60	1.32	1.26	≥10.8	≥860	≥12	≥955	42	38	334	302
4	N42	13.50	13.00	1.35	1.30	≥10.8	≥860	≥12	≥955	44	40	350	318
5	N45	13.80	13.20	1.38	1.32	≥10.8	≥860	≥12	≥955	46	42	366	334
6	N48	14.30	13.70	1.43	1.37	≥10.5	≥836	≥11	≥875	49	45	390	358
7	N50	14.60	13.90	1.46	1.39	≥10.5	≥836	≥11	≥875	51	47	406	374
8	N52	14.80	14.20	1.48	1.42	≥10.5	≥836	≥11	≥875	53	49	422	390
9	N54	15.10	14.50	1.51	1.45	≥10.5	≥836	≥11	≥875	55	51	438	406
10	N35M	12.50	11.80	1.25	1.18	≥11.0	≥876	≥14	≥1114	38	33	302	263
11	N38M	13.00	12.30	1.30	1.23	≥11.5	≥916	≥14	≥1114	41	36	326	287
12	N40M	13.20	12.60	1.32	1.26	≥11.8	≥939	≥14	≥1114	43	38	342	302
13	N42M	13.50	13.00	1.35	1.30	≥12.0	≥955	≥14	≥1114	45	40	358	318
14	N45M	13.80	13.20	1.38	1.32	≥12.2	≥971	≥14	≥1114	47	42	374	334
15	N48M	14.30	13.70	1.43	1.37	≥12.5	≥995	≥14	≥1114	50	45	398	358
16	N50M	14.60	13.90	1.46	1.39	≥12.5	≥995	≥13	≥1035	52	47	414	374
17	N52M	14.80	14.20	1.48	1.42	≥12.5	≥995	≥13	≥1035	53	49	422	390
18	N35H	12.50	11.80	1.25	1.18	≥11.0	≥876	≥17	≥1353	38	33	302	263
19	N38H	13.00	12.30	1.30	1.23	≥11.5	≥916	≥17	≥1353	41	36	326	287
20	N40H	13.20	12.60	1.32	1.26	≥11.8	≥939	≥17	≥1353	43	38	342	302
21	N44H	13.70	13.00	1.37	1.30	≥12.1	≥963	≥16	≥1273	46	41	366	326
22	N46H	14.00	13.40	1.40	1.34	≥12.5	≥995	≥16	≥1273	48	43	382	342
23	N48H	14.20	13.60	1.42	1.36	≥12.7	≥1011	≥16	≥1273	50	45	398	358
24	N50H	14.50	13.80	1.45	1.38	≥12.9	≥1026	≥16	≥1273	51	47	406	374
25	N52H	14.70	14.00	1.47	1.40	≥13.0	≥1035	≥16	≥1273	53	48	422	382
26	N35SH	12.50	11.80	1.25	1.18	≥11.1	≥883	≥20	≥1592	38	33	302	263
27	N38SH	13.00	12.30	1.30	1.23	≥11.6	≥923	≥20	≥1592	41	36	326	287
28	N40SH	13.20	12.60	1.32	1.26	≥11.8	≥939	≥20	≥1592	43	38	342	302
29	N42SH	13.40	12.80	1.34	1.28	≥12.0	≥955	≥19	≥1512	44	39	350	310
30	N45SH	13.80	13.20	1.38	1.32	≥12.4	≥987	≥19	≥1512	47	42	374	334
31	N48SH	14.20	13.60	1.42	1.36	≥12.7	≥1011	≥19	≥1512	50	45	398	358
32	N33UH	12.20	11.40	1.22	1.14	≥10.8	≥859	≥25	≥1990	36	31	287	247
33	N35UH	12.50	11.80	1.25	1.18	≥11.2	≥891	≥25	≥1990	38	33	302	263
34	N38UH	12.80	12.20	1.28	1.22	≥11.6	≥923	≥25	≥1990	40	36	318	287
35	N40UH	13.20	12.60	1.32	1.26	≥12.0	≥955	≥25	≥1990	42	38	334	302
36	N42UH	13.50	13.00	1.35	1.30	≥12.0	≥955	≥25	≥1990	44	40	350	318
37	N45UH	13.80	13.20	1.38	1.32	≥12.4	≥987	≥25	≥1990	47	42	374	334
38	N30EH	11.70	10.90	1.17	1.09	≥10.3	≥820	≥30	≥2388	33	28	263	223
39	N33EH	12.00	11.40	1.20	1.14	≥10.8	≥859	≥30	≥2388	35	31	279	247
40	N35EH	12.30	11.70	1.23	1.17	≥11.1	≥883	≥30	≥2388	37	33	295	263
41	N38EH	12.80	12.20	1.28	1.22	≥11.6	≥923	≥30	≥2388	40	36	318	287
42	N40EH	13.10	12.50	1.31	1.25	≥11.8	≥939	≥30	≥2388	42	37	334	295
43	N28EHS	11.30	10.50	1.13	1.05	≥10.0	≥780	≥35	≥2786	31	26	247	207
44	N30EHS	11.70	10.90	1.17	1.09	≥10.3	≥820	≥35	≥2786	33	28	263	223
45	N33EHS	12.00	11.40	1.20	1.14	≥10.8	≥859	≥35	≥2786	36	31	287	247
46	N35EHS	12.50	11.70	1.23	1.17	≥11.1	≥883	≥35	≥2786	38	33	302	263