



Typical Magnetic Properties of Sintered NdFeB Materials

Grade	Remanence		Coercivity				Energy Density		Operating	Temperature Coefficient	
	B <sub>r</sub>		H <sub>cJ</sub>		H <sub>cB</sub>		(BH) <sub>max</sub>		T <sub>w</sub> Max	TK(Br)	Tk(Hcj)
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m <sup>3</sup>	MGOe	° C	%/°C	%/°C
N35	1.17-1.22	11.7-12.2	≥955	≥12	≥876	≥11	263-287	33-36	80	-0.11	-0.6
N38	1.22-1.26	12.2-12.6	≥955	≥12	≥876	≥11	287-310	36-39	80	-0.11	-0.6
N40	1.25-1.29	12.5-12.9	≥955	≥12	≥876	≥11	302-326	38-41	80	-0.11	-0.6
N42	1.28-1.32	12.8-13.2	≥955	≥12	≥876	≥11	318-342	40-43	80	-0.11	-0.6
N45	1.33-1.37	13.3-13.7	≥955	≥12	≥876	≥11	342-366	43-46	80	-0.11	-0.6
N48	1.37-1.42	13.7-14.2	≥955	≥12	≥876	≥11	366-390	46-49	80	-0.11	-0.6
N50	1.39-1.44	13.9-14.4	≥955	≥12	≥836	≥10.5	374-406	47-51	80	-0.11	-0.6
N52	1.42-1.47	14.2-14.7	≥955	≥12	≥836	≥10.5	390-422	49-53	80	-0.11	-0.6
N35M	1.17-1.22	11.7-12.2	≥1114	≥14	≥876	≥11	263-287	33-36	100	-0.1	-0.6
N38M	1.22-1.26	12.2-12.6	≥1114	≥14	≥915	≥11.5	287-310	36-39	100	-0.1	-0.6
N40M	1.25-1.29	12.5-12.9	≥1114	≥14	≥939	≥11.8	302-326	38-41	100	-0.1	-0.6
N42M	1.28-1.32	12.8-13.2	≥1114	≥14	≥963	≥12.1	318-342	40-43	100	-0.1	-0.6
N45M	1.32-1.36	13.2-13.6	≥1114	≥14	≥987	≥12.4	342-366	43-46	100	-0.1	-0.6
N48M	1.37-1.42	13.7-14.2	≥1114	≥14	≥1019	≥12.8	358-390	45-49	100	-0.1	-0.6
N50M	1.39-1.45	13.9-14.5	≥1114	≥14	≥1035	≥13	374-406	47-51	100	-0.1	-0.6
N33H	1.13-1.17	11.3-11.7	≥1353	≥17	≥860	≥10.8	247-271	31-34	120	-0.1	-0.56
N35H	1.17-1.22	11.7-12.2	≥1353	≥17	≥884	≥11.1	263-287	33-36	120	-0.1	-0.56
N38H	1.22-1.26	12.2-12.6	≥1353	≥17	≥923	≥11.6	287-310	36-39	120	-0.1	-0.56
N40H	1.25-1.29	12.5-12.9	≥1353	≥17	≥947	≥11.9	302-326	38-41	120	-0.1	-0.56
N42H	1.28-1.32	12.8-13.2	≥1353	≥17	≥971	≥12.2	318-342	40-43	120	-0.1	-0.56
N45H	1.32-1.36	13.2-13.6	≥1353	≥17	≥1003	≥12.6	342-366	43-46	120	-0.1	-0.56
N48H	1.37-1.42	13.7-14.2	≥1353	≥17	≥1035	≥13	358-390	45-49	120	-0.1	-0.56
N50H	1.39-1.44	13.9-14.4	≥1274	≥16	≥1035	≥13	374-406	47-51	110	-0.1	-0.56
N30SH	1.08-1.13	10.8-11.3	≥1592	≥20	≥820	≥10.3	223-247	28-31	150	-0.095	-0.56
N33SH	1.13-1.17	11.3-11.7	≥1592	≥20	≥860	≥10.8	247-271	31-34	150	-0.095	-0.56
N35SH	1.17-1.22	11.7-12.2	≥1592	≥20	≥884	≥11.1	263-287	33-36	150	-0.095	-0.56
N38SH	1.22-1.26	12.2-12.6	≥1592	≥20	≥923	≥11.6	287-310	36-39	150	-0.095	-0.56
N40SH	1.25-1.29	12.5-12.9	≥1592	≥20	≥947	≥11.9	302-326	38-41	150	-0.095	-0.56
N42SH	1.28-1.32	12.8-13.2	≥1592	≥20	≥971	≥12.2	318-342	40-43	150	-0.095	-0.56
N44SH	1.31-1.35	13.1-13.5	≥1592	≥20	≥995	≥12.5	334-358	42-45	150	-0.095	-0.56
N45SH	1.32-1.36	13.2-13.6	≥1592	≥20	≥1003	≥12.6	342-366	43-46	150	-0.095	-0.56
N48SH	1.37-1.42	13.7-14.2	≥1512	≥19	≥1035	≥13	358-390	45-49	150	-0.095	-0.56
N30UH	1.08-1.14	10.8-11.4	≥1990	≥25	≥820	≥10.3	223-247	28-31	180	-0.09	-0.56
N33UH	1.13-1.19	11.3-11.9	≥1990	≥25	≥860	≥10.8	247-271	31-34	180	-0.09	-0.56
N35UH	1.17-1.22	11.7-12.2	≥1990	≥25	≥884	≥11.1	263-287	33-36	180	-0.09	-0.56
N38UH	1.22-1.26	12.2-12.6	≥1990	≥25	≥923	≥11.6	287-310	36-39	180	-0.09	-0.56
N40UH	1.25-1.31	12.5-13.1	≥1990	≥25	≥947	≥11.9	302-326	38-41	180	-0.09	-0.56
N42UH	1.28-1.34	12.8-13.4	≥1990	≥25	≥971	≥12.2	310-342	39-43	180	-0.09	-0.56
N45UH	1.32-1.37	13.2-13.7	≥1910	≥24	≥1003	≥12.6	342-366	43-46	170	-0.09	-0.56
N30EH	1.08-1.13	10.8-11.3	≥2388	≥30	≥820	≥10.3	223-247	28-31	200	-0.085	-0.56
N33EH	1.13-1.17	11.3-11.7	≥2388	≥30	≥860	≥10.8	247-271	31-34	200	-0.085	-0.56
N35EH	1.17-1.22	11.7-12.2	≥2388	≥30	≥884	≥11.1	263-287	33-36	200	-0.085	-0.56
N38EH	1.21-1.26	12.1-12.6	≥2388	≥30	≥915	≥11.5	295-326	37-41	200	-0.085	-0.56
N40EH	1.25-1.31	12.5-13.1	≥2388	≥30	≥947	≥11.9	302-326	38-41	200	-0.085	-0.56
N30AH	1.07-1.13	10.7-11.3	≥2706	≥34	≥812	≥10.2	215-247	27-31	230	-0.085	-0.56
N33AH	1.11-1.17	11.1-11.7	≥2706	≥34	≥844	≥10.6	239-271	30-34	230	-0.085	-0.56