Typical Magnetic Properties of Sintered NdFeB Magnets

Grade		Remanence		Coercivity				Max Energy Product		Temperature Coefficient		Max Working Temperature
		B_r		H_{cB}		H_{cJ}		$(BH)_{max}$		α(Br)	$\beta(H_{cJ})$	T_wMax
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	° C
N	N35	1.17-1.22	11.7-12.2	≥860	≥10.9	≥955	≥12	263-287	33-36	-0.12	-0.60	80
	N38	1.22-1.25	12.2-12.5	≥860	≥11.3	≥955	≥12	287-310	36-39	-0.12	-0.60	80
	N40	1.25-1.28	12.5-12.8	≥860	≥11.4	≥955	≥12	302-326	38-41	-0.12	-0.60	80
	N42	1.28-1.32	12.8-13.2	≥860	≥11.5	≥955	≥12	318-342	40-43	-0.12	-0.60	80
	N45	1.32-1.37	13.2-13.7	≥860	≥11.6	≥955	≥12	342-366	43-46	-0.12	-0.60	80
	N48	1.37-1.42	13.7-14.2	≥836	≥11.0	≥955	≥12	366-390	46-49	-0.12	-0.60	80
	N50	1.39-1.44	13.9-14.4	≥836	≥10.0	≥955	≥12	376-406	47-51	-0.12	-0.60	80
	N52	1.42-1.47	14.2-14.7	≥836	≥10.5	≥955	≥12	390-421	49-53	-0.12	-0.60	80
	N54	1.45-1.49	14.5-14.9	≥836	≥10.5	≥876	≥11	406-438	51-55	-0.12	-0.60	80
	N56	1.48-1.52	14.8-15.2	≥836	≥10.5	≥876	≥11	414-454	52-57	-0.12	-0.60	80
M	N33M	1.13-1.17	11.3-11.7	≥836	≥10.5	≥1114	≥14	247-271	31-34	-0.11	-0.60	100
	N35M	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1114	≥14	263-287	33-36	-0.11	-0.60	100
	N38M	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1114	≥14	287-310	36-39	-0.11	-0.60	100
	N40M	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1114	≥14	302-326	38-41	-0.11	-0.60	100
	N42M	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1114	≥14	318-342	40-43	-0.11	-0.60	100
	N45M	1.32-1.38	13.2-13.8	≥971	≥12.5	≥1114	≥14	342-366	43-46	-0.11	-0.60	100
	N48M	1.36-1.42	13.6-14.2	≥995	≥12.9	≥1114	≥14	366-390	46-49	-0.11	-0.60	100
	N50M	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1114	≥14	376-406	47-51	-0.11	-0.60	100
	N52M	1.42-1.47	14.2-14.7	≥1059	≥13.3	≥1114	≥14	390-422	49-53	-0.11	-0.60	100
	N54M	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1114	≥14	406-438	51-55	-0.11	-0.60	100
H	N33H	1.13-1.17	11.3-11.7	≥836	≥10.5	≥1353	≥17	247-271	31-34	-0.11	-0.60	120
	N35H	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1353	≥17	263-287	33-36	-0.11	-0.58	120
	N38H	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1353	≥17	287-310	36-39	-0.11	-0.58	120
	N40H	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1353	≥17	302-326	38-41	-0.11	-0.58	120
	N42H	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1353	≥17	318-342	40-43	-0.11	-0.58	120
	N45H	1.32-1.37	13.2-13.7	≥971	≥12.0	≥1353	≥17	344-366	43-46	-0.11	-0.58	120
	N48H	1.36-1.42	13.6-14.2	≥1011	≥12.5	≥1353	≥17	366-390	46-49	-0.11	-0.58	120
	N50H	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1353	≥17	374-406	47-51	-0.11	-0.58	120
	N52H	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1353	≥17	390-422	49-53	-0.11	-0.58	120
	N54H	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1273	≥16	406-438	51-55	-0.11	-0.58	120
SH	N33SH	1.13-1.17	11.3-11.7	≥844	≥10.6	≥1592	≥20	247-271	31-34	-0.11	-0.55	150
	N35SH	1.17-1.22	11.7-12.2	≥876	≥11.0	≥1592	≥20	263-287	33-36	-0.11	-0.55	150
	N38SH	1.22-1.25	12.2-12.5	≥907	≥11.4	≥1592	≥20	287-310	36-39	-0.11	-0.55	150
	N40SH	1.25-1.28	12.5-12.8	≥939	≥11.8	≥1592	≥20	302-326	38-41	-0.11	-0.55	150
	N42SH	1.28-1.32	12.8-13.2	≥955	≥12.4	≥1592	≥20	318-342	40-43	-0.11	-0.55	150
	N45SH	1.32-1.37	13.2-13.7	≥979	≥12.3	≥1592	≥20	342-366	43-46	-0.11	-0.55	150
	N48SH	1.36-1.42	13.6-14.2	≥995	≥12.5	≥1592	≥20	358-390	45-49	-0.11	-0.55	150
	N50SH	1.39-1.45	13.9-14.5	≥995	≥12.5	≥1592	≥20	374-406	47-51	-0.11	-0.55	150
	N52SH	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1592	≥20	390-422	49-53	-0.11	-0.55	150
UH	N28UH	1.04-1.08	10.4-10.8	≥764	≥9.6	≥1990	≥25	207-231	26-29	-0.10	-0.50	180
	N30UH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥1990	≥25	223-247	28-31	-0.10	-0.50	180
	N33UH	1.13-1.17	11.3-11.7	≥852	≥10.7	≥1990	≥25	247-271	31-34	-0.10	-0.50	180
	N35UH	1.17-1.22	11.7-12.2	≥860	≥10.8	≥1990	≥25	263-287	33-36	-0.10	-0.50	180
	N38UH	1.22-1.25	12.2-12.5	≥876	≥11.0	≥1990	≥25	287-310	36-39	-0.10	-0.50	180
	N40UH	1.25-1.28	12.5-12.8	≥915	≥11.5	≥1990	≥25	302-326	38-41	-0.10	-0.50	180
	N42UH	1.27-1.32	12.7-13.2	≥955	≥12.0	≥1990	≥25	318-342	40-43	-0.10	-0.50	180
	N45UH	1.32-1.37	13.2-13.7	≥995	≥12.5	≥1990	≥25	342-366	43-46	-0.10	-0.50	180
	N48UH	1.38-1.42	13.8-14.2	≥1031	≥12.9	≥1990	≥25	366-390	46-49	-0.10	-0.50	180
	N50UH	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1990	≥25	374-406	47-51	-0.10	-0.50	180
	N52UH	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1990	≥25	390-422	49-53	-0.10	-0.50	180
EH	N28EH	1.04-1.08	10.4-10.8	≥780	≥9.8	≥2388	≥30	207-231	26-29	-0.10	-0.46	200
	N30EH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥2388	≥30	223-247	28-31	-0.10	-0.46	200
	N33EH	1.13-1.17	11.3-11.7	≥820	≥10.3	≥2388	≥30	248-271	31-34	-0.10	-0.46	200
	N35EH	1.17-1.22	11.7-12.2	≥836	≥11.0	≥2388	≥30	263-287	33-36	-0.10	-0.46	200
	N38EH	1.20-1.25	12.0-12.5	≥899	≥11.3	≥2388	≥30	287-310	36-39	-0.10	-0.46	200
	N40EH	1.25-1.28	12.5-12.8	≥915	≥11.5	≥2388	≥30	302-326	38-41	-0.10	-0.46	200
	N42EH	1.28-1.32	12.8-13.2	≥970	≥12.2	≥2388	≥30	318-342	40-43	-0.10	-0.46	200
	N45EH	1.32-1.36	13.2-13.6	≥1003	≥12.6	≥2388	≥30	342-366	43-46	-0.10	-0.46	200
	N48EH	1.38-1.42	13.8-14.2	≥1031	≥12.9	≥2388	≥30	366-390	46-49	-0.10	-0.46	200
	N50EH	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥2388	≥30	374-406	47-51	-0.10	-0.46	200
AH	N28AH	1.05-1.09	10.5-10.9	≥780	≥9.8	≥2706	≥34	207-231	26-29	-0.10	-0.42	220
	N30AH	1.10-1.14	11.0-11.4	≥812	≥10.2	≥2706	≥34	223-247	28-31	-0.10	-0.42	220
	N33AH	1.14-1.17	11.4-11.7	≥812	≥10.2	≥2706	≥34	247-271	31-34	-0.10	-0.42	220
	N35AH	1.17-1.22	11.7-12.2	≥883	≥11.1	≥2706	≥34	263-287	33-36	-0.10	-0.42	220
	N38AH	1.20-1.25	12.0-12.5	≥915	≥11.5	≥2706	≥34	287-310	36-39	-0.10	-0.42	220
	N40AH	1.25-1.28	12.5-12.8	≥947	≥11.9	≥2706	≥34	302-326	38-41	-0.10	-0.42	220
	N42AH	1.28-1.32	12.8-13.2	≥970	≥12.2	≥2706	≥34	318-342	40-43	-0.10	-0.42	220