



Certificate No.:00116Q27085R3S/1100

# Magnetic Properties of Sintered NdFeB



北京美恩信科技有限责任公司

Grade	Remanence Br		Coercive Force bHc		Intrinsic Coercivity iHc		Max.Energy Product (BH)max		Density	Max. working temp.	Temp. coefficient of Br	Temp. coefficient of iHc	Curie temp.
	KGS	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m <sup>3</sup>	g/cm <sup>3</sup>	°C	%/°C	%/°C	°C
N35	11.8-12.3	1.18-1.23	≥11.0	≥875	≥12	≥955	33.5-36.4	267-290	7.4-7.5	80	-0.11	-0.85	320
N38	12.3-12.7	1.23-1.27	≥11.0	≥875	≥12	≥955	36.5-38.4	291-306	7.4-7.5	80	-0.11	-0.85	320
N40	12.7-13.0	1.27-1.30	≥11.0	≥875	≥12	≥955	38.5-40.4	307-322	7.4-7.5	80	-0.11	-0.85	320
N42	13.0-13.5	1.30-1.35	≥11.0	≥875	≥12	≥955	40.5-43.4	323-345	7.4-7.5	80	-0.11	-0.85	320
N45	13.5-13.8	1.35-1.38	≥11.0	≥875	≥12	≥955	43.5-45.9	346-365	7.4-7.5	80	-0.11	-0.85	320
N48	13.8-14.0	1.38-1.40	≥11.0	≥875	≥12	≥955	46.0-48.0	366-382	7.4-7.5	80	-0.11	-0.85	320
N50	14.0-14.5	1.40-1.45	≥11.0	≥875	≥12	≥955	48.0-51.0	382-406	7.4-7.5	80	-0.11	-0.85	320
N52	14.3-14.8	1.43-1.48	≥11.0	≥875	≥12	≥955	50.0-53.0	398-422	7.4-7.5	80	-0.11	-0.85	320
N54	14.6-15.1	1.46-1.51	≥11.0	≥875	≥12	≥955	51.5-55	410-438	7.4-7.5	80	-0.11	-0.85	320
N35M	11.8-12.3	1.18-1.23	≥10.8	≥860	≥14	≥1114	33.5-36.4	267-290	7.4-7.5	100	-0.11	-0.80	320
N38M	12.3-12.6	1.23-1.26	≥11.3	≥899	≥14	≥1114	36.5-38.4	291-306	7.4-7.5	100	-0.11	-0.80	320
N40M	12.6-13.0	1.26-1.30	≥11.5	≥915	≥14	≥1114	38.5-40.4	307-322	7.4-7.5	100	-0.11	-0.80	320
N42M	13.0-13.4	1.30-1.34	≥12.0	≥955	≥14	≥1114	40.5-43.4	323-345	7.4-7.5	100	-0.11	-0.80	320
N45M	13.4-13.7	1.34-1.37	≥12.5	≥995	≥14	≥1114	43.5-45.9	346-365	7.4-7.5	100	-0.11	-0.80	320
N48M	13.7-14.3	1.36-1.43	≥12.9	≥1027	≥14	≥1114	46.0-48.0	366-382	7.4-7.5	100	-0.11	-0.80	320
N50M	14.0-14.5	1.40-1.45	≥13.0	≥1035	≥14	≥1114	48.0-51.0	382-406	7.4-7.5	100	-0.11	-0.80	320
N52M	14.3-14.8	1.43-1.48	≥13.2	≥1050	≥14	≥1114	49.5-53	394-422	7.4-7.5	100	-0.11	-0.80	320
N35H	11.8-12.3	1.18-1.23	≥11.0	≥876	≥17	≥1353	33.5-36.4	267-290	7.5-7.6	120	-0.12	-0.75	350
N38H	12.3-12.6	1.23-1.26	≥12.0	≥955	≥17	≥1353	36.5-38.4	291-306	7.5-7.6	120	-0.12	-0.75	350



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	KGS	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m <sup>3</sup>	g/cm <sup>3</sup>	℃	%/℃	%/℃	℃
N40H	12.6-13.0	1.26-1.30	≥12.0	≥955	≥17	≥1353	38.5-40.4	307-322	7.5-7.6	120	-0.12	-0.75	350
N42H	13.0-13.4	1.30-1.34	≥12.3	≥979	≥17	≥1353	40.5-43.4	323-345	7.5-7.6	120	-0.12	-0.75	350
N45H	13.4-13.7	1.34-1.37	≥12.5	≥995	≥17	≥1353	43.5-45.9	346-365	7.5-7.6	120	-0.12	-0.75	350
N48H	13.7-14.3	1.37-1.43	≥12.5	≥995	≥17	≥1353	46.0-48.0	366-382	7.5-7.6	120	-0.12	-0.75	350
N50H	14.0-14.5	1.40-1.45	≥13.2	≥1050	≥17	≥1353	47.5-51	378-406	7.5-7.6	120	-0.12	-0.75	350
N52H	14.3-14.8	1.43-1.48	≥13.5	≥1072	≥17	≥1353	49.5-53	394-422	7.5-7.6	120	-0.12	-0.75	350
N30SH	11.0-11.4	1.10-1.14	≥10.3	≥820	≥20	≥1592	29.5-31.4	235-250	7.5-7.6	150	-0.11	-0.60	380
N33SH	11.4-11.8	1.14-1.18	≥10.5	≥836	≥20	≥1592	31.5-33.4	251-266	7.5-7.6	150	-0.11	-0.60	380
N35SH	11.8-12.3	1.18-1.23	≥11.1	≥882	≥20	≥1592	33.5-36.4	267-290	7.5-7.6	150	-0.11	-0.60	380
N38SH	12.3-12.6	1.23-1.26	≥11.5	≥914	≥20	≥1592	36.5-38.4	291-306	7.5-7.6	150	-0.11	-0.60	380
N40SH	12.6-13.0	1.26-1.30	≥11.8	≥939	≥20	≥1592	38.5-40.4	307-322	7.5-7.6	150	-0.11	-0.60	380
N42SH	13.0-13.4	1.30-1.34	≥12.1	≥964	≥20	≥1592	40.5-43.4	323-345	7.5-7.6	150	-0.11	-0.60	380
N45SH	13.2-13.8	1.32-1.38	≥12.6	≥999	≥20	≥1592	43.5-45.9	346-365	7.5-7.6	150	-0.11	-0.60	380
N48SH	13.7-14.2	1.37-1.42	≥12.9	≥1028	≥20	≥1592	45.5-49	362-390	7.5-7.6	150	-0.11	-0.60	380
N50SH	14.0-14.5	1.40-1.45	≥13.2	≥1050	≥20	≥1592	47.5-51	378-406	7.5-7.6	150	-0.11	-0.60	380
N28UH	10.6-11.0	1.06-1.10	≥10.0	≥796	≥25	≥1990	26.0-29.4	207-234	7.5-7.6	180	-0.1	-0.55	380
N30UH	11.0-11.4	1.10-1.14	≥10.3	≥820	≥25	≥1990	29.5-31.4	235-250	7.5-7.6	180	-0.10	-0.55	380
N33UH	11.4-11.8	1.14-1.18	≥10.5	≥836	≥25	≥1990	31.5-33.4	251-266	7.5-7.6	180	-0.1	-0.55	380
N35UH	11.8-12.3	1.18-1.23	≥11.0	≥876	≥25	≥1990	33.5-36.4	267-290	7.5-7.6	180	-0.1	-0.55	380



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	KGS	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m <sup>3</sup>	g/cm <sup>3</sup>	℃	%/℃	%/℃	℃
N38UH	12.3-12.6	1.23-1.26	≥11.5	≥914	≥25	≥1990	36.5-38.4	291-306	7.5-7.6	180	-0.10	-0.55	380
N40UH	12.5-12.8	1.25-1.28	≥11.8	≥939	≥25	≥1990	38.5-40.4	307-322	7.5-7.6	180	-0.1	-0.55	380
N42UH	12.8-13.4	1.28-1.34	≥12.1	≥964	≥25	≥1990	40-43.5	318-346	7.5-7.6	180	-0.1	-0.55	380
N45UH	13.2-13.8	1.32-1.38	≥12.5	≥993	≥25	≥1990	42.5-46	338-366	7.5-7.6	180	-0.1	-0.55	380
N28EH	10.6-11.0	1.06-1.10	≥10.0	≥796	≥30	≥2388	26.0-29.4	207-234	7.5-7.6	200	-0.09	-0.50	380
N30EH	11.0-11.4	1.10-1.14	≥10.3	≥820	≥30	≥2388	29.5-31.4	235-250	7.5-7.6	200	-0.09	-0.50	380
N33EH	11.4-11.8	1.14-1.18	≥10.5	≥836	≥30	≥2388	31.5-33.4	251-266	7.5-7.6	200	-0.09	-0.50	380
N35EH	11.8-12.3	1.18-1.23	≥11.0	≥876	≥30	≥2388	33.5-36.4	267-290	7.5-7.6	200	-0.09	-0.50	380
N38EH	12.2-12.5	1.22-1.25	≥11.3	≥899	≥30	≥2388	36.5-38.4	291-306	7.5-7.6	200	-0.09	-0.50	380
N40EH	12.5-13.1	1.25-1.31	≥11.8	≥939	≥30	≥2388	38-41.5	302-330	7.5-7.6	200	-0.09	-0.50	380
N42EH	12.8-13.3	1.28-1.33	≥12.0	≥958	≥30	≥2388	39.5-43	314-342	7.5-7.6	200	-0.09	-0.50	380
N28AH	10.6-11.0	1.06-1.10	≥9.9	≥788	≥35	≥2786	26.0-29.4	207-234	7.5-7.6	220	-0.08	-0.45	380
N30AH	11.0-11.4	1.10-1.14	≥10.3	≥820	≥35	≥2786	29.5-31.4	235-250	7.5-7.6	220	-0.08	-0.45	380
N33AH	11.4-11.8	1.14-1.18	≥10.6	≥844	≥35	≥2786	31.5-33.4	251-266	7.5-7.6	220	-0.08	-0.45	380
N35AH	11.7-12.3	1.17-1.23	≥11.0	≥876	≥35	≥2786	33.0-36.5	263-290	7.5-7.6	200	-0.09	-0.50	380
N38AH	12.1-12.7	1.21-1.27	≥11.3	≥899	≥35	≥2786	35.5-39.0	283-310	7.5-7.6	200	-0.09	-0.50	380

The above-mentioned data of magnetic parameters and physical properties are given at room temperature.  
The maximum temperature of magnet is changeable due to ratio length and diameter and environmental factors.