SDM MAGNETICS

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Sintered NdFeB Magnet

Grade	Residual Induction (Br)		Coercive Force (Hcb)		Intrinsic Coercive Force (Hcj)		Max Energy Product (BH)max		Temp. Coefficient Tk		Max Working Temp.	Curie Temp.
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/℃ (Br)	%/℃ (Hcj)	℃	℃
N35-A1	0.99-1.05	9.9-10.5	≥730	≥9.2	≥780	≥9.8	176-200	22-25	-0.12	-0.70	60	310
N35-A2	1.05-1.08	10.5-10.8	≥780	≥9.8	≥859	≥10.5	200-216	25-27	-0.12	-0.70	60	310
N35	1.17-1.22	11.7-12.2	≥868	≥10.9	≥955	≥12	263-287	33-36	-0.12	-0.70	80	310
N38	1.22-1.25	12.2-12.5	≥899	≥11.3	≥955	≥12	287-310	36-39	-0.12	-0.70	80	310
N40	1.25-1.28	12.5-12.8	≥907	≥11.4	≥955	≥12	302-326	38-41	-0.12	-0.70	80	310
N42	1.28-1.32	12.8-13.2	≥915	≥11.5	≥955	≥12	318-342	40-43	-0.12	-0.70	80	310
N45	1.32-1.38	13.2-13.8	≥923	≥11.6	≥955	≥12	342-366	43-46	-0.12	-0.70	80	310
N48	1.38-1.42	13.8-14.2	≥923	≥11.6	≥955	≥12	366-390	46-49	-0.12	-0.70	80	310
N50	1.40-1.45	14.0-14.5	≥796	≥10.0	≥876	≥11	382-406	48-51	-0.12	-0.70	60	310
N52	1.43-1.48	14.3-14.8	≥796	≥10.0	≥876	≥11	398-422	50-53	-0.12	-0.70	60	310
N55	1.46-1.52	14.6-15.2	≥796	≥10.0	≥876	≥11	414-430	52-54	-0.12	-0.70	60	310
N35M	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1114	≥14	263-287	33-36	-0.12	-0.70	100	310
N38M	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1114	≥14	287-310	36-39	-0.12	-0.70	100	310
N40M	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1114	≥14	302-326	38-41	-0.12	-0.70	100	310
N42M	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1114	≥14	318-342	40-43	-0.12	-0.70	100	310
N45M	1.32-1.38	13.2-13.8	≥995	≥12.5	≥1114	≥14	342-366	43-46	-0.12	-0.70	100	310
N48M	1.37-1.43	13.7-14.3	≥1027	≥12.9	≥1114	≥14	366-390	46-49	-0.12	-0.70	100	310
N50M	1.40-1.45	14.0-14.5	≥1033	≥13	≥1114	≥14	382-406	48-51	-0.12	-0.70	100	310
N52M	1.43-1.48	14.3-14.8	≥1050	≥13.2	≥1114	≥14	398-422	50-53	-0.12	-0.70	100	310
N55M	1.46-1.52	14.6-15.2	≥1066	≥13.4	≥1114	≥14	414-430	52-54	-0.12	-0.70	100	310
N35H	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1353	≥17	263-287	33-36	-0.12	-0.70	120	310
N38H	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1353	≥17	287-310	36-39	-0.12	-0.70	120	310
N40H	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1353	≥17	302-326	38-41	-0.12	-0.70	120	310
N42H	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1353	≥17	318-342	40-43	-0.12	-0.70	120	310
N45H	1.32-1.36	13.2-13.6	≥963	≥12.1	≥1353	≥17	342-366	43-46	-0.12	-0.70	120	310
N48H	1.37-1.43	13.7-14.3	≥995	≥12.5	≥1353	≥17	366-390	46-49	-0.12	-0.70	120	310
N50H	1.40-1.45	14.0-14.5	≥1011	≥12.7	≥1353	≥17	382-406	48-51	-0.12	-0.70	120	310
N52H	1.43-1.48	14.3-14.8	≥1027	≥12.9	≥1353	≥17	398-422	50-53	-0.12	-0.70	120	310
N55H	1.46-1.52	14.6-15.2	≥1035	≥13	≥1353	≥17	414-430	52-54	-0.12	-0.70	120	310
N35SH	1.17-1.22	11.7-12.2	≥876	≥11.0	≥1592	≥20	263-287	33-36	-0.11	-0.65	150	320
N38SH	1.22-1.25	12.2-12.5	≥907	≥11.4	≥1592	≥20	287-310	36-39	-0.11	-0.65	150	320
N40SH	1.25-1.28	12.5-12.8	≥939	≥11.8	≥1592	≥20	302-326	38-41	-0.11	-0.65	150	320
N42SH	1.28-1.32	12.8-13.2	≥987	≥12.4	≥1592	≥20	318-342	40-43	-0.11	-0.65	150	320
N45SH	1.32-1.38	13.2-13.8	≥1003	≥12.6	≥1592	≥20	342-366	43-46	-0.11	-0.65	150	320
N48SH	1.37-1.43	13.7-14.3	≥1027	≥12.9	≥1592	≥20	366-390	46-49	-0.11	-0.65	150	320
N28UH	1.04-1.08	10.4-10.8	≥764	≥9.6	≥1990	≥25	207-231	26-29	-0.11	-0.60	180	330
N30UH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥1990	≥25	223-247	28-31	-0.11	-0.60	180	330
N33UH	1.13-1.17	11.3-11.7	≥852	≥10.7	≥1990	≥25	247-271	31-34	-0.11	-0.60	180	330
N35UH	1.17-1.22	11.7-12.2	≥860	≥10.8	≥1990	≥25	263-287	33-36	-0.11	-0.60	180	330
N38UH	1.22-1.25	12.2-12.5	≥876	≥11.0	≥1990	≥25	287-310	36-39	-0.11	-0.60	180	330
N40UH	1.25-1.28	12.5-12.8	≥899	≥11.3	≥1990	≥25	302-326	38-41	-0.11	-0.60	180	330
N42UH	1.28-1.32	12.8-13.2	≥899	≥11.3	≥1990	≥25	318-342	40-43	-0.11	-0.60	180	330
N45UH	1.32-1.36	13.2-13.6	≥908	≥11.4	≥1990	≥25	342-366	43-46	-0.11	-0.60	180	330
N48UH	1.37-1.43	13.7-14.3	≥908	≥11.4	≥1990	≥25	366-390	46-49	-0.11	-0.60	180	330
N28EH	1.04-1.08	10.4-10.8	≥780	≥9.8	≥2388	≥30	207-231	26-29	-0.11	-0.55	200	330
N30EH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥2388	≥30	223-247	28-31	-0.11	-0.55	200	330
N33EH	1.13-1.17	11.3-11.7	≥836	≥10.5	≥2388	≥30	247-271	31-34	-0.11	-0.55	200	330
N35EH	1.17-1.22	11.7-12.2	≥876	≥11.0	≥2388	≥30	263-287	33-36	-0.11	-0.55	200	330
N38EH	1.22-1.25	12.2-12.5	≥899	≥11.3	≥2388	≥30	287-310	36-39	-0.11	-0.55	200	330
N40EH	1.25-1.28	12.5-12.8	≥899	≥11.3	≥2388	≥30	302-326	38-41	-0.11	-0.55	200	330
N42EH	1.28-1.32	12.8-13.2	≥899	≥11.3	≥2388	≥30	318-342	40-43	-0.11	-0.55	200	330
N45EH	1.32-1.36	13.2-13.6	≥899	≥11.3	≥2388	≥30	342-366	43-46	-0.11	-0.55	200	330
N48EH	1.37-1.43	13.7-14.3	≥899	≥11.3	≥2388	≥30	366-390	46-49	-0.11	-0.55	200	330
N28AH	1.04-1.08	10.4-10.8	≥787	≥9.9	≥2624	≥33	207-231	26-29	-0.10	-0.50	230	350
N30AH	1.08-1.13	10.8-11.3	≥819	≥10.3	≥2624	≥33	223-247	28-31	-0.10	-0.50	230	350
N33AH	1.13-1.17	11.3-11.7	≥843	≥10.6	≥2624	≥33	247-271	31-34	-0.10	-0.50	230	350
N35AH	1.17-1.22	11.7-12.2	≥876	≥11.0	≥2624	≥33	263-287	33-36	-0.10	-0.50	230	350
N38AH	1.22-1.25	12.2-12.5	≥899	≥11.3	≥2624	≥33	287-310	36-39	-0.10	-0.50	230	350

*The above-mentioned data of magnetic properties and physical properties are given at room temperature.

*The max working temperature of magnet is changeable due to length-diameter ratio, coating thickness and another environment factors.

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