

AMSC Material Grade

Sintered NdFeB

Grade	Br		T		Hcb		Hcj		(BH)max		Temp. Coef. °C/% (20°C)		Density	Max. Tw	temp.		
	kGs				kOe	kA/m	kOe	kA/m	MGOe	kJ/m ³		α _{Br}	α _{Hcj}	ρ	°C/°F	Range	
	Max	Min	Max	Min	Min	Min	Min	Min	Max	Min	Max	Min	Nom	Min	g/cm ³	P _{c=1(L/D=0.4)}	°C
N35	12.4	11.8	1.24	1.18	10.80	860	12	955	37	33	295	263	-0.105	-0.75	7.45	80/176	20~80
N38	12.8	12.3	1.28	1.23	11.30	899	12	955	39	36	310	287	-0.105	-0.75	7.45	80/176	20~80
N40	13.1	12.6	1.31	1.26	11.50	915	12	955	41	38	326	302	-0.105	-0.75	7.45	80/176	20~80
N42	13.4	12.9	1.34	1.29	11.50	915	12	955	44	40	350	318	-0.105	-0.75	7.50	80/176	20~80
N45	13.8	13.3	1.38	1.33	11.50	915	12	955	46	43	366	342	-0.105	-0.75	7.50	80/176	20~80
N48	14.1	13.7	1.41	1.37	11.50	915	12	955	48	45	382	358	-0.105	-0.75	7.55	80/176	20~80
N50	14.3	13.9	1.43	1.39	11.50	915	12	955	50	47	398	374	-0.105	-0.75	7.55	80/176	20~80
N52	14.7	14.2	1.47	1.42	11.50	915	12	955	52	49	414	390	-0.105	-0.75	7.60	80/176	20~80
N54	15.0	14.5	1.50	1.45	10.50	836	11	876	54	51	430	406	-0.105	-0.75	7.60	80/176	20~80
N35M	12.4	11.8	1.24	1.18	10.90	868	14	1114	37	33	295	263	-0.105	-0.70	7.45	100/212	20~100
N38M	12.8	12.3	1.28	1.23	11.40	907	14	1114	39	36	310	287	-0.105	-0.70	7.45	100/212	20~100
N40M	13.1	12.6	1.31	1.26	11.70	931	14	1114	41	38	326	302	-0.105	-0.70	7.50	100/212	20~100
N42M	13.4	12.9	1.34	1.29	12.00	955	14	1114	44	40	350	318	-0.105	-0.70	7.50	100/212	20~100
N45M	13.8	13.3	1.38	1.33	12.40	987	14	1114	46	43	366	342	-0.105	-0.70	7.55	100/212	20~100
N48M	14.1	13.7	1.41	1.37	12.80	1019	14	1114	48	45	382	358	-0.105	-0.70	7.55	100/212	20~100
N50M	14.3	13.9	1.43	1.39	13.00	1035	14	1114	50	47	398	374	-0.105	-0.70	7.60	100/212	20~100
N52M	14.7	14.2	1.47	1.42	13.30	1059	14	1114	52	49	414	390	-0.105	-0.70	7.60	100/212	20~100
N54M	15.0	14.5	1.50	1.45	13.50	1075	14	1114	54	51	430	406	-0.105	-0.70	7.60	100/212	20~100
N35H	12.4	11.8	1.24	1.18	11.00	876	17	1353	37	33	295	263	-0.105	-0.60	7.45	120/248	20~120
N38H	12.8	12.3	1.28	1.23	11.50	915	17	1353	39	36	310	287	-0.105	-0.60	7.45	120/248	20~120
N40H	13.1	12.6	1.31	1.26	11.80	939	17	1353	41	38	326	302	-0.105	-0.60	7.50	120/248	20~120
N42H	13.4	12.9	1.34	1.29	12.10	963	17	1353	44	40	350	318	-0.105	-0.60	7.50	120/248	20~120
N45H	13.8	13.3	1.38	1.33	12.50	995	17	1353	46	43	366	342	-0.105	-0.60	7.55	120/248	20~120
N48H	14.1	13.7	1.41	1.37	12.90	1027	16	1274	48	45	382	358	-0.105	-0.60	7.55	120/248	20~120
N50H	14.3	13.9	1.43	1.39	13.10	1043	16	1274	50	47	398	374	-0.105	-0.60	7.60	120/248	20~120
N52H	14.7	14.2	1.47	1.42	13.40	1067	16	1274	52	49	414	390	-0.105	-0.60	7.60	120/248	20~120
N35SH	12.4	11.8	1.24	1.18	11.10	884	20	1592	37	33	295	263	-0.110	-0.55	7.50	150/302	20~150
N38SH	12.8	12.3	1.28	1.23	11.60	923	20	1592	39	36	310	287	-0.110	-0.55	7.50	150/302	20~150
N40SH	13.1	12.6	1.31	1.26	11.90	947	20	1592	41	38	326	302	-0.110	-0.55	7.55	150/302	20~150
N42SH	13.4	12.9	1.34	1.29	12.20	971	20	1592	44	40	350	318	-0.110	-0.55	7.55	150/302	20~150
N45SH	13.8	13.3	1.38	1.33	12.60	1003	20	1592	46	43	366	342	-0.110	-0.55	7.60	150/302	20~150
N48SH	14.1	13.7	1.41	1.37	13.00	1035	20	1592	48	45	382	358	-0.110	-0.55	7.60	150/302	20~150
N50SH	14.3	13.9	1.43	1.39	13.20	1051	20	1592	50	47	398	374	-0.110	-0.55	7.60	150/302	20~150
N52SH	14.7	14.2	1.47	1.42	13.50	1075	20	1592	52	49	414	390	-0.110	-0.55	7.60	150/302	20~150
N30UH	11.5	10.8	1.15	1.08	10.20	812	25	1990	32	28	255	223	-0.110	-0.50	7.55	180/356	20~180
N33UH	11.9	11.4	1.19	1.14	10.80	860	25	1990	34	31	271	247	-0.110	-0.50	7.55	180/356	20~180
N35UH	12.4	11.8	1.24	1.18	11.20	892	25	1990	37	33	295	263	-0.110	-0.50	7.55	180/356	20~180
N38UH	12.8	12.3	1.28	1.23	11.70	931	25	1990	39	36	310	287	-0.110	-0.50	7.60	180/356	20~180
N40UH	13.1	12.6	1.31	1.26	12.00	955	25	1990	41	38	326	302	-0.110	-0.50	7.60	180/356	20~180
N42UH	13.4	12.9	1.34	1.29	12.30	979	25	1990	44	40	350	318	-0.110	-0.50	7.60	180/356	20~180
N45UH	13.8	13.3	1.38	1.33	12.70	1011	25	1990	46	43	366	342	-0.110	-0.50	7.60	180/356	20~180
N48UH	14.0	13.6	1.40	1.36	13.00	1035	25	1990	48	45	382	358	-0.110	-0.50	7.60	180/356	20~180
N30EH	11.5	10.8	1.15	1.08	10.30	820	30	2388	32	28	255	223	-0.115	-0.45	7.55	200/392	20~200
N33EH	11.9	11.4	1.19	1.14	10.90	868	30	2388	34	31	271	247	-0.115	-0.45	7.55	200/392	20~200
N35EH	12.4	11.8	1.24	1.18	11.30	899	30	2388	37	33	295	263	-0.115	-0.45	7.60	200/392	20~200
N38EH	12.6	12.2	1.26	1.22	11.70	931	30	2388	39	36	310	287	-0.115	-0.45	7.60	200/392	20~200
N40EH	12.9	12.5	1.29	1.25	12.00	955	30	2388	41	38	326	302	-0.115	-0.45	7.65	200/392	20~200
N42EH	13.2	12.8	1.32	1.28	12.30	979	30	2388	44	40	350	318	-0.115	-0.45	7.65	200/392	20~200
N45EH	13.7	13.2	1.37	1.32	12.00	1011	30	2388	46	43	366	342	-0.115	-0.45	7.65	200/392	20~200
N30TH	11.5	10.8	1.15	1.08	10.30	820	35	2786	32	28	255	223	-0.115	-0.40	7.60	250/482	20~250
N33TH	11.9	11.4	1.19	1.14	10.90	868	35	2786	34	31	271	247	-0.115	-0.40	7.60	250/482	20~250
N35TH	12.4	11.8	1.24	1.18	11.30	899	35	2786	37	33	295	263	-0.115	-0.40	7.65	250/482	20~250
N38TH	12.6	12.2	1.26	1.22	11.70	931	35	2786	39	36	310	287	-0.115	-0.40	7.65	250/482	20~250
N40TH	12.9	12.5	1.29	1.25	12.00	955	35	2786	41	38	326	302	-0.115	-0.40	7.65	250/482	20~250

The given data of magnetic characteristics and physical properties are at room temperature at 23±3°. The maximum operating temperature of magnet may vary due to the geometry and environmental factors.