

Magnetic Characteristics

Sintered NdFeB

Grade	Br		Hcb		Hcj		(BH)max		Temp. Coef. °C/% (20°C)		Relative Recoil		Max. Tw					
	kGs		T		kOe		kA/m		kOe		kJ/m ³		α _{Br}		α _{Hcj}		Permeability	
	Nom	Min	Nom	Min	Nom	Min	Nom	Min	Nom	Min	Nom	Min	Nom	Min	μ _{rec}	°C	L/D ≥ 0.7	
N35	12.10	11.80	1.21	1.18	11.40	11.00	907	876	12	955	35	33	279	263	-0.11	-0.6	1.05	80
N38	12.60	12.30	1.26	1.23	11.70	11.40	931	907	12	955	38	36	302	287	-0.11	-0.6	1.05	80
N40	12.90	12.60	1.29	1.26	11.90	11.60	947	923	12	955	40	38	318	302	-0.11	-0.6	1.05	80
N42	13.30	13.00	1.33	1.30	12.30	11.90	979	947	12	955	42	40	334	318	-0.11	-0.6	1.05	80
N45	13.60	13.30	1.36	1.33	12.10	11.80	963	939	12	955	45	43	358	342	-0.11	-0.6	1.05	80
N48	14.00	13.60	1.40	1.36	12.10	11.80	963	939	12	955	48	46	382	366	-0.11	-0.6	1.05	80
N50	14.30	14.00	1.43	1.40	12.30	11.60	979	923	12	955	50	47	398	374	-0.11	-0.59	1.05	80
N38M	12.60	12.30	1.26	1.23	12.20	11.70	971	931	14	1114	38	36	302	287	-0.11	-0.59	1.05	100
N40M	12.90	12.60	1.29	1.26	12.30	11.80	979	939	14	1114	40	38	318	302	-0.11	-0.59	1.05	100
N42M	13.30	13.00	1.33	1.30	12.40	12.00	987	955	14	1114	42	40	334	318	-0.11	-0.59	1.05	100
N45M	13.60	13.30	1.36	1.33	12.10	11.80	963	939	14	1114	45	43	358	342	-0.11	-0.59	1.05	100
N48M	13.90	13.60	1.39	1.36	12.90	12.30	1027	979	14	1114	49	46	390	366	-0.11	-0.59	1.05	100
N30H	11.20	10.80	1.12	1.08	10.70	10.20	852	812	17	1353	30	28	239	223	-0.11	-0.58	1.05	120
N35H	12.10	11.80	1.21	1.18	11.60	11.10	923	884	17	1353	35	33	279	263	-0.11	-0.58	1.05	120
N38H	12.60	12.30	1.26	1.23	12.10	11.70	963	931	17	1353	38	36	302	287	-0.11	-0.58	1.05	120
N40H	13.00	12.60	1.30	1.26	12.00	11.50	955	915	17	1353	40	38	318	302	-0.11	-0.58	1.05	120
N42H	13.10	12.80	1.31	1.28	12.00	11.50	955	915	17	1353	42	40	334	318	-0.11	-0.58	1.05	120
N44H	13.50	13.00	1.35	1.30	12.00	11.50	955	915	17	1353	45	42	358	334	-0.11	-0.58	1.05	120
N46H	13.70	13.40	1.37	1.34	13.00	12.60	1035	1003	17	1353	46	44	366	350	-0.11	-0.58	1.05	120
N30SH	11.20	10.80	1.12	1.08	10.70	10.20	852	812	20	1592	30	28	239	223	-0.11	-0.55	1.05	150
N35SH	12.00	11.70	1.20	1.17	11.60	11.10	923	884	20	1592	35	33	279	263	-0.11	-0.55	1.05	150
N38SH	12.60	12.30	1.26	1.23	12.10	11.70	963	931	20	1592	38	36	302	287	-0.11	-0.55	1.05	150
N40SH	13.00	12.60	1.30	1.26	12.30	12.00	979	955	20	1592	40	38	318	302	-0.11	-0.55	1.05	150
N42SH	13.10	12.80	1.31	1.28	12.40	12.10	987	963	20	1592	42	40	334	318	-0.11	-0.55	1.05	150
N44SH	13.50	13.20	1.35	1.32	12.80	12.40	1019	987	20	1592	44	42	350	334	-0.11	-0.55	1.05	150
N28UH	10.90	10.50	1.09	1.05	10.40	10.00	828	796	25	1990	28	26	223	207	-0.11	-0.51	1.05	180
N30UH	11.20	10.80	1.12	1.08	10.30	10.00	820	796	25	1990	30	28	239	223	-0.11	-0.51	1.05	180
N33UH	11.50	11.10	1.15	1.11	10.80	10.50	860	836	25	1990	33	31	263	247	-0.11	-0.51	1.05	180
N35UH	12.00	11.70	1.20	1.17	11.60	11.10	923	884	25	1990	35	33	279	263	-0.11	-0.51	1.05	180
N38UH	12.60	12.30	1.26	1.23	12.10	11.70	963	931	25	1990	38	36	302	287	-0.11	-0.51	1.05	180
N30EH	11.10	10.80	1.11	1.08	10.30	10.00	820	796	30	2388	30	28	239	223	-0.11	-0.48	1.05	180
N33EH	11.50	11.10	1.15	1.11	10.80	10.50	860	836	30	2388	33	31	263	247	-0.11	-0.48	1.05	180
N35EH	12.00	11.70	1.20	1.17	11.60	11.10	923	884	30	2388	35	33	279	263	-0.11	-0.48	1.05	180

The given data of magnetic characteristics and physical properties are at room temperature.

The maximum operating temperature of magnet may vary due to the geometry and environmental factors.