

Magnetic properties of Sintered NdFeB magnets, HJ:

Grade	Remanence		Coercive Force		Intrinsic Coercive Force		Max. energy product		Max. Operating Temperature
	Br		Hcb		Hcj		(BH) _{max}		Tw
	mT	(kGs)	kA/m	(kOe)	kA/m	(kOe)	kJ/m ³	(MGOe)	
N35	1170-1220	(11.7-12.2)	≥ 868	(≥ 10.9)	≥ 955	(≥ 12)	263-287	(33-36)	80°C
N38	1220-1250	(12.2-12.5)	≥ 899	(≥ 11.3)	≥ 955	(≥ 12)	287-310	(36-39)	80°C
N40	1250-1280	(12.5-12.8)	≥ 907	(≥ 11.4)	≥ 955	(≥ 12)	302-326	(38-41)	80°C
N42	1280-1320	(12.8-13.2)	≥ 915	(≥ 11.5)	≥ 955	(≥ 12)	318-342	(40-43)	80°C
N45	1320-1380	(13.2-13.8)	≥ 923	(≥ 11.6)	≥ 955	(≥ 12)	342-366	(43-46)	80°C
N48	1380-1420	(13.8-14.2)	≥ 923	(≥ 11.6)	≥ 955	(≥ 12)	366-390	(46-49)	80°C
N50	1400-1450	(14.0-14.5)	≥ 796	(≥ 10.0)	≥ 955	(≥ 12)	382-406	(48-51)	80°C
N52	1430-1480	(14.3-14.8)	≥ 796	(≥ 10.0)	≥ 955	(≥ 12)	398-422	(50-53)	80°C
33M	1130-1170	(11.3-11.7)	≥ 836	(≥ 10.5)	≥ 1114	(≥ 14)	247-263	(31-33)	100°C
35M	1170-1220	(11.7-12.2)	≥ 868	(≥ 10.9)	≥ 1114	(≥ 14)	263-287	(33-36)	100°C
38M	1220-1250	(12.2-12.5)	≥ 899	(≥ 11.3)	≥ 1114	(≥ 14)	287-310	(36-39)	100°C
40M	1250-1280	(12.5-12.8)	≥ 923	(≥ 11.6)	≥ 1114	(≥ 14)	302-326	(38-41)	100°C
42M	1280-1320	(12.8-13.2)	≥ 955	(≥ 12.0)	≥ 1114	(≥ 14)	318-342	(40-43)	100°C
45M	1320-1380	(13.2-13.8)	≥ 995	(≥ 12.5)	≥ 1114	(≥ 14)	342-366	(43-46)	100°C
48M	1360-1430	(13.6-14.3)	≥ 1027	(≥ 12.9)	≥ 1114	(≥ 14)	366-390	(46-49)	100°C
50M	1400-1450	(14.0-14.5)	≥ 1033	(≥ 13.0)	≥ 1114	(≥ 14)	382-406	(48-51)	100°C
30H	1080-1130	(10.8-11.3)	≥ 796	(≥ 10.0)	≥ 1353	(≥ 17)	223-247	(28-31)	120°C
33H	1130-1170	(11.3-11.7)	≥ 836	(≥ 10.5)	≥ 1353	(≥ 17)	247-271	(31-34)	120°C
35H	1170-1220	(11.7-12.2)	≥ 868	(≥ 10.9)	≥ 1353	(≥ 17)	263-287	(33-36)	120°C
38H	1220-1250	(12.2-12.5)	≥ 899	(≥ 11.3)	≥ 1353	(≥ 17)	287-310	(36-39)	120°C
40H	1250-1280	(12.5-12.8)	≥ 923	(≥ 11.6)	≥ 1353	(≥ 17)	302-326	(38-41)	120°C
42H	1280-1320	(12.8-13.2)	≥ 955	(≥ 12.0)	≥ 1353	(≥ 17)	318-342	(40-43)	120°C
45H	1320-1360	(13.2-13.6)	≥ 963	(≥ 12.1)	≥ 1353	(≥ 17)	326-358	(43-46)	120°C
48H	1370-1430	(13.7-14.3)	≥ 995	(≥ 12.5)	≥ 1353	(≥ 17)	366-390	(46-49)	120°C
30SH	1080-1130	(10.8-11.3)	≥ 804	(≥ 10.1)	≥ 1592	(≥ 20)	223-247	(28-31)	150°C
33SH	1130-1170	(11.3-11.7)	≥ 844	(≥ 10.6)	≥ 1592	(≥ 20)	247-271	(31-34)	150°C
35SH	1170-1220	(11.7-12.2)	≥ 876	(≥ 11.0)	≥ 1592	(≥ 20)	263-287	(33-36)	150°C
38SH	1220-1250	(12.2-12.5)	≥ 907	(≥ 11.4)	≥ 1592	(≥ 20)	287-310	(36-39)	150°C
40SH	1240-1280	(12.5-12.8)	≥ 939	(≥ 11.8)	≥ 1592	(≥ 20)	302-326	(38-41)	150°C
42SH	1280-1320	(12.8-13.2)	≥ 987	(≥ 12.4)	≥ 1592	(≥ 20)	318-342	(40-43)	150°C
45SH	1320-1380	(13.2-13.8)	≥ 1003	(≥ 12.6)	≥ 1592	(≥ 20)	342-366	(43-46)	150°C
28UH	1020-1080	(10.2-10.8)	≥ 764	(≥ 9.6)	≥ 1990	(≥ 25)	207-231	(26-29)	180°C
30UH	1080-1130	(10.8-11.3)	≥ 812	(≥ 10.2)	≥ 1990	(≥ 25)	223-247	(28-31)	180°C
33UH	1130-1170	(11.3-11.7)	≥ 852	(≥ 10.7)	≥ 1990	(≥ 25)	247-271	(31-34)	180°C
35UH	1180-1220	(11.8-12.2)	≥ 860	(≥ 10.8)	≥ 1990	(≥ 25)	263-287	(33-36)	180°C
38UH	1220-1250	(12.2-12.5)	≥ 876	(≥ 11.0)	≥ 1990	(≥ 25)	287-310	(36-39)	180°C
40UH	1240-1280	(12.5-12.8)	≥ 899	(≥ 11.3)	≥ 1990	(≥ 25)	302-326	(38-41)	180°C
28EH	1040-1090	(10.4-10.9)	≥ 780	(≥ 9.8)	≥ 2388	(≥ 30)	207-231	(26-29)	200°C
30EH	1080-1130	(10.8-11.3)	≥ 812	(≥ 10.2)	≥ 2388	(≥ 30)	223-247	(28-31)	200°C
33EH	1130-1170	(11.3-11.7)	≥ 876	(≥ 10.5)	≥ 2388	(≥ 30)	247-271	(31-34)	200°C
35EH	1170-1220	(11.7-12.2)	≥ 876	(≥ 11.0)	≥ 2388	(≥ 30)	263-287	(33-36)	200°C
38EH	1220-1250	(12.2-12.5)	≥ 899	(≥ 11.3)	≥ 2388	(≥ 30)	287-310	(36-39)	200°C
28AH	1040-1090	(10.4-10.9)	≥ 787	(≥ 9.9)	≥ 2624	(≥ 33)	207-231	(26-29)	240°C
30AH	1080-1130	(10.8-11.3)	≥ 819	(≥ 10.3)	≥ 2624	(≥ 33)	223-247	(28-31)	240°C
33AH	1130-1170	(11.3-11.7)	≥ 843	(≥ 10.6)	≥ 2624	(≥ 33)	247-271	(31-34)	240°C

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

Magnetic properties of Bonded NdFeB magnets, HJ:

Performance	B r T(Gs)	H CB kA/m(kOe)	H CJ kA/m(kOe)	(BH) max kJ/m ³ (MGOe)	D g/cm ³	μ r	α (B r) %/ °C	T w °C
BN-6	0.55-0.62	285-370 (3.6-4.6)	600-755 (7.5-9.5)	44-56 (5.5-7)	5.5-6.1	1.15	-0.13	100
BN-8L	0.60-0.64	360-400 (4.5-5.0)	715-800 (9-10)	56-64 (7.0-8.0)	5.6-6.1	1.15	-0.13	110
BN-8	0.62-0.69	385-445 (4.8-5.6)	640-800 (8-10)	64-72 (8.0-9.0)	5.8-6.1	1.15	-0.13	120
BN-8SR8	0.62-0.66	410-465 (5.2-5.8)	880-1120 (11-14)	64-72 (8.0-9.0)	5.8-6.1	1.13	-0.13	150
BN-8H	0.61-0.65	410-455 (5.2-5.7)	1190-1440 (15-18)	64-72 (8.0-9.0)	5.9-6.2	1.15	-0.07	125
BN-9	0.65-0.70	400-440 (5.0-5.5)	640-800 (8-10)	70-76 (8.8-9.5)	5.8-6.1	1.22	-0.12	120
BN-10	0.68-0.72	420-470 (5.3-5.9)	640-800 (8-10)	76-84 (9.5-10.5)	5.8-6.1	1.22	-0.11	120
BN-11	0.70-0.74	445-480 (5.6-6.0)	680-800 (8.5-10)	80-88 910.0-11.0)	5.8-6.1	1.22	-0.11	120
BN-11L	0.70-0.74	400-440 (5.0-5.5)	520-640 (6.5-8)	78-84 (9.8-10.5)	5.8-6.1	1.26	-0.11	110
BN-12L	0.74-0.80	420-455 (5.3-5.7)	520-600 (6.5-7.5)	84-92 (10.5-11.5)	5.8-6.1	1.26	-0.08	110

The above values depend on magnet shape and its dimensions. It is recommended that the figures be certified in actual products.