



● SINTERED NFB (Nd-Fe-B)

Residual Grade	Coercive B_r mT (KG)	Intrinsic Coercive H_c kA/m (KOe)	Max Energy Product H_c KA/m (KOe)	Max Working (BH) max KJ/m ³ (MGOe)	Temperature T_w ° C
N35	1170-1210 (11.7-12.1)	≥868 (≥10.9)	≥955 (≥12)	263-287 (33-36)	80
N38	1210-1250 (12.1-12.5)	≥899 (≥11.3)	≥955 (≥12)	287-310 (36-39)	80
N40	1250-1280 (12.5-12.8)	≥923 (≥11.3)	≥955 (≥12)	302-326 (38-41)	80
N42	1280-1320 (12.8-13.2)	≥899 (≥11.3)	≥955 (≥12)	318-342 (40-43)	80
N45	1320-1380 (13.2-13.8)	≥876 (≥11.0)	≥955 (≥12)	342-366 (43-46)	80
N48	1380-1420 (13.8-14.2)	≥836 (≥10.5)	≥955 (≥12)	366-390 (46-49)	80
N50	1400-1450 (14.0-14.5)	≥860 (≥10.8)	≥955 (≥12)	382-406 (48-51)	80
33M	1130-1170 (11.3-11.7)	≥836 (≥10.5)	≥1114 (≥14)	247-263 (21-33)	100
35M	1170-1210 (11.7-12.1)	≥868 (≥10.9)	≥1114 (≥14)	263-287 (33-36)	100
38M	1210-1250 (12.1-12.5)	≥899 (≥11.3)	≥1114 (≥14)	287-310 (36-39)	100
40M	1250-1280 (12.5-12.8)	≥923 (≥11.6)	≥1114 (≥14)	302-326 (38-41)	100
42M	1280-1320 (12.8-13.2)	≥955 (≥12.0)	≥1114 (≥14)	318-342 (40-43)	100
45M	1320-1380 (13.2-13.8)	≥995 (≥12.5)	≥1114 (≥14)	342-366 (43-46)	100
48M	1360-1430 (13.6-14.3)	≥1027 (≥12.9)	≥1114 (≥14)	350-390 (44-49)	100
27H	1020-1060 (10.2-10.6)	≥764 (≥9.6)	≥1353 (≥17)	199-215 (25-27)	120
30H	1080-1130 (10.8-11.3)	≥796 (≥10.0)	≥1353 (≥17)	223-247 (28-31)	120
33H	1130-1170 (11.3-11.7)	≥836 (≥10.5)	≥1353 (≥17)	247-271 (31-34)	120
35H	1170-1210 (11.7-12.1)	≥868 (≥10.9)	≥1353 (≥17)	263-287 (33-36)	120
38H	1210-1250 (12.1-12.5)	≥899 (≥11.3)	≥1353 (≥17)	287-310 (36-39)	120
40H	1240-1280 (12.4-12.8)	≥923 (≥11.6)	≥1353 (≥17)	302-326 (38-41)	120
42H	1280-1320 (12.8-13.2)	≥955 (≥12.0)	≥1353 (≥17)	318-342 (40-43)	120
45H	1320-1360 (13.2-13.6)	≥1000 (≥12.5)	≥1360 (≥17)	344-376 (43-47)	120
48H	1360-1430 (13.6-14.3)	≥1027 (≥12.9)	≥1353 (≥16)	350-390 (44-49)	120
27SH	1020-1060 (10.2-10.6)	≥780 (≥9.8)	≥1592 (≥20)	199-215 (25-27)	150
30SH	1080-1130 (10.8-11.3)	≥804 (≥10.1)	≥1592 (≥20)	223-247 (28-31)	150
33SH	1130-1170 (11.3-11.7)	≥844 (≥10.6)	≥1592 (≥20)	247-271(31-34)	150
35SH	1170-1210 (11.7-12.1)	≥876 (≥11.0)	≥1592 (≥20)	263-287 (33-36)	150
38SH	1210-1250 (12.1-12.5)	≥907 (≥11.4)	≥1592 (≥20)	287-310 (36-39)	150
40SH	1240-1280 (12.4-12.8)	≥939 (≥11.8)	≥1592 (≥20)	302-326 (38-41)	150
42SH	1280-1320 (12.8-13.2)	≥995 (≥12.5)	≥1592 (≥20)	318-342 (40-43)	150
45SH	1320-1380 (13.2-13.8)	≥995 (≥12.5)	≥1592 (≥20)	342-366 (43-46)	150
28UH	1020-1080 (10.2-10.8)	≥764 (≥9.6)	≥1990 (≥25)	207-231 (26-29)	180
30UH	1080-1130 (10.8-11.3)	≥812 (≥10.2)	≥1990 (≥25)	223-247 (28-31)	180
33UH	1130-1170 (11.3-11.7)	≥852 (≥10.7)	≥1990 (≥25)	247-271 (31-34)	180
35UH	1180-1220 (11.8-12.2)	≥860 (≥10.8)	≥1990 (≥25)	263-287 (33-36)	180
38UH	1210-1250 (12.1-12.5)	≥907 (≥11.4)	≥1990 (≥25)	287-310 (36-39)	180
40UH	1240-1280 (12.4-12.8)	≥923 (≥11.6)	≥1990 (≥25)	302-326 (38-41)	180
28EH	1040-1090 (10.4-10.9)	≥780 (≥9.8)	≥2388 (≥30)	207-231 (26-29)	200
30EH	1080-1130 (10.8-11.3)	≥812 (≥10.2)	≥2388 (≥30)	223-247 (28-31)	200
33EH	1130-1170 (11.3-11.7)	≥812 (≥10.2)	≥2388 (≥30)	247-271 (31-34)	200
35EH	1170-1210 (11.7-12.1)	≥812 (≥10.2)	≥2388 (≥30)	263-287 (33-36)	200
N35T	1170-1210 (11.7-12.1)	≥868 (≥10.9)	≥955 (≥12)	263-287 (33-36)	80
35MT	1170-1210 (11.7-12.1)	≥868 (≥10.9)	≥1114 (≥14)	263-287 (33-36)	100
45MT	1320-1380 (13.2-13.8)	≥995 (≥12.5)	≥1114 (≥14)	342-366 (43-46)	100
38HT	1210-1250 (12.1-12.5)	≥899 (≥11.3)	≥1353 (≥17)	287-310 (36-39)	120
40HT	1240-1280 (12.4-12.8)	≥923 (≥11.6)	≥1353 (≥17)	302-326 (38-41)	120
45HT	1320-1380 (13.2-13.8)	≥995 (≥12.5)	≥1353 (≥17)	342-366 (43-46)	120
33SHT	1170-1210 (11.7-12.1)	≥876 (≥11.0)	≥1592 (≥20)	223-247 (28-31)	150
35SHT	1170-1210 (11.7-12.1)	≥876 (≥11.0)	≥1592 (≥20)	287-310 (36-39)	150
38SHT	1210-1250 (12.1-12.5)	≥907 (≥11.4)	≥1592 (≥20)	287-310 (36-39)	150
42SHT	1280-1320 (12.8-13.2)	≥995 (≥12.5)	≥1592 (≥20)	318-342 (40-43)	150
L30SHT	1080-1130 (10.8-11.3)	≥804 (≥10.1)	≥1592 (≥20)	223-247 (28-31)	150
L33SHT	1130-1170 (11.3-11.7)	≥844 (≥10.6)	≥1592 (≥20)	247-271 (31-34)	150
L35SHT	1170-1210 (11.7-12.1)	≥876 (≥11.0)	≥1592 (≥20)	263-287 (33-36)	150
L38SHT	1210-1250 (12.1-12.5)	≥907 (≥11.4)	≥1592 (≥20)	287-310 (36-39)	150
L30UHT	1080-1130 (10.8-11.3)	≥812 (≥10.2)	≥1990 (≥25)	223-247 (28-31)	180
L33UHT	1130-1170 (11.3-11.7)	≥852 (≥10.7)	≥1990 (≥25)	247-271 (31-34)	180
L38UHT	1210-1250 (12.1-12.5)	≥907 (≥11.4)	≥1990 (≥25)	287-310 (36-39)	180
L30EHT	1080-1130 (10.8-11.3)	≥812 (≥10.2)	≥2388 (≥30)	223-247 (28-31)	200



● BONDED ND-FE-B (COMPRESSION MOULDING)

Grade	Residual B_r mT (KG)	Coercive H_c kA/m (KOe)	Intrinsic Coercive H_c KA/m	Max Energy Product $(BH)_{max}$ KJ/m ³ (MGOe)	Density g/cm ³	Reversible Permeability μ_r	Rev Thermal Coefficient ∞_{Br} %/°C	Max Working Temp T_{w9} °C
BNP-6	520-600 (5.2-6.0)	304-360 (3.8-4.5)	640-800 (8.0-10)	40-56 (5-7)	5.3-5.8	1.15	-0.13	140
BNP-8	600-650 (6.0-6.5)	360-440 (4.5-5.5)	640-960 (8.0-12)	56-72 (7-9)	5.6-6.0	1.15	-0.13	140
BNP-10	650-700 (6.5-7.0)	360-464 (4.5-5.8)	640-960 (8.0-12)	72-80 (9-10)	5.8-6.1	1.22	-0.07~-0.105	140
BNP-12	700-760 (7.0-7.6)	424-480 (5.3-6.0)	640-880 (8.0-11)	80-96 (10-12)	6.0-6.2	1.22	-0.13	140
BNP-8H	550-620 (0.5-6.2)	400-480 (5.0-6.0)	960-1280 (12-16)	48-72 (6-9)	5.6-6.0	1.15	-0.07~-0.13	140

● BONDED ND-FE-B (INJECTION MOULDING)

Grade	Residual B_r mT (KG)	Coercive H_c kA/m (KOe)	Intrinsic Coercive H_c KA/m	Max Energy Product $(BH)_{max}$ KJ/m ³ (MGOe)	Density g/cm ³	Reversible Permeability μ_r	Rev Thermal Coefficient ∞_{Br} %/°C
BNP-2	200-400 (2.0-4.0)	120-240 (1.5-3.0)	560-720 (7.0-9.0)	6.4-24 (0.8-3.0)	3.5-4.0	1.25	-0.15
BNP-4	400-490 (4.0-4.9)	247-10 (3.1-3.9)	573-732 (7.2-9.2)	28-36 (3.5-4.5)	4.0-5.0	1.2	-0.1
BNP-6	490-570 (4.9-5.7)	312-382 (3.9-4.8)	637-796 (8.0-10.0)	42-56 (5.2-7.0)	5.0-5.5	1.2	-0.1
BNP-8	570-630 (5.7-6.3)	382-430 (4.8-5.4)	676-835 (8.5-10.5)	59-67 (7.4-8.4)	5.0-5.5	1.2	-0.1
BNP-6H	480-560 (4.9-5.6)	334-398 (4.2-5.0)	10335-1353 (13.0-17.0)	40-52 (5.0-6.5)	5.0-5.5	1.13	-0.15

● MAGNETIC PROPERTIES OF RUBBER / FLEXIBLE

Grade No	Max Energy Product		Residual Induction B_r		Coercive Force H_c		Intrinsic Coercive Force H_{ci}	
	MGOe	KJ/m ³	gauss	kmT	oersteds	kA/m	oersteds	kA/m
Isotropic	0.65-0.80		1800-2000		1300-1500		1600-2100	
An Isotropic	1.30-1.50		2350-2550		2100-2300		2900-3300	