

MAGNETIC CHARACTERISTICS AND PHYSICAL PROPERTIES OF SINTERED Nd-Fe-B					
PROPERTIES	BrmT (KGs)	Hcb KA/m (Koe)	Hcj KA/m (KOe)	(BH)max KJ/m³ (MGOe)	TW °C
GRADE					
N33	1130-1170 (11.3-11.7)	≥836 (≥10.5)	≥955 (≥12)	247-263 (31-33)	80
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 (≥11.6)	≥955 (≥12)	302-326 (38-41)	80
N42	1280-1320 (12.8-13.2)	≥923 (≥11.6)	≥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)	≥835 (≥10.5)	≥876 (≥11)	366-390 (46-49)	80
N50	1400-1450 (14.0-14.5)	≥796 (≥10.0)	≥876 (≥11)	382-406 (48-51)	≤60
N52	1430-1480 (14.3-14.8)	≥796 (≥10.0)	≥876 (≥11)	398-422 (50-53)	≤60
N35M	1170-1220 (11.7-12.2)	≥868 (≥10.9)	≥1114 (≥14)	263-287 (33-36)	≤100
N38M	1220-1250 (12.2-12.5)	≥899 (≥11.3)	≥1114 (≥14)	287-310 (36-39)	≤100
N40M	1250-1280 (12.5-12.8)	≥923 (≥11.6)	≥1114 (≥14)	302-326 (38-41)	≤100
N42M	1280-1320 (12.8-13.2)	≥955 (≥12.0)	≥1114 (≥14)	318-342 (40-43)	≤100
N45M	1320-1380 (13.2-13.8)	≥995 (≥12.5)	≥1114 (≥14)	342-366 (43-46)	≤100
N48M	1360-1430 (13.6-14.3)	≥1027 (≥12.9)	≥1114 (≥14)	366-390 (46-49)	≤100
N50M	1400-1450 (14.0-14.5)	≥1033 (≥13.0)	≥1114 (≥14)	382-406 (48-51)	≤100
N33H	1130-1170 (11.3-11.7)	≥836 (≥10.5)	≥1353 (≥17)	247-271 (31-34)	120
N35H	1170-1210 (11.7-12.1)	≥868 (≥10.9)	≥1353 (≥17)	263-287 (33-36)	120
N38H	1210-1250 (12.1-12.5)	≥899 (≥11.3)	≥1353 (≥17)	287-310 (36-39)	120
N40H	1240-1280 (12.4-12.8)	≥923 (≥11.6)	≥1353 (≥17)	302-326 (38-41)	120
N42H	1280-1320 (12.8-13.2)	≥955 (≥12.0)	≥1353 (≥17)	318-342 (40-43)	120
N45H	1300-1360 (13.0-13.6)	≥963 (≥12.1)	≥1353 (≥17)	342-358 (43-46)	≤120
N48H	1370-1430 (13.7-14.3)	≥995 (≥12.5)	≥1353 (≥17)	358-390 (46-49)	≤120
N33SH	1130-1170 (11.3-11.7)	≥844 (≥10.6)	≥1592 (≥20)	247-272 (31-34)	150
N35SH	1170-1210 (11.7-12.1)	≥876 (≥11.0)	≥1592 (≥20)	263-287 (33-36)	150
N38SH	1210-1250 (12.1-12.5)	≥907 (≥11.4)	≥1592 (≥20)	287-310 (36-39)	150
N40SH	1240-1280 (12.4-12.8)	≥939 (≥11.8)	≥1592 (≥20)	302-326 (38-41)	150
N42SH	1280-1320 (12.8-13.2)	≥987 (≥12.4)	≥1592 (≥20)	318-342 (40-43)	≤150
N45SH	1320-1380 (13.2-13.8)	≥1003 (≥12.6)	≥1592 (≥20)	342-366 (43-46)	≤150
N28UH	1020-1080 (10.2-10.8)	≥764 (≥9.6)	≥1990 (≥25)	207-231 (26-29)	180
N30UH	1080-1130 (10.8-11.3)	≥812 (≥10.2)	≥1990 (≥25)	223-247 (28-31)	180
N33UH	1130-1170 (11.3-11.7)	≥852 (≥10.7)	≥1990 (≥25)	247-271 (31-34)	180
N35UH	1180-1220 (11.8-12.2)	≥860 (≥10.8)	≥1990 (≥25)	263-287 (33-36)	≤180
N38UH	1220-1250 (12.2-12.5)	≥876 (≥11.0)	≥1990 (≥25)	287-310 (36-39)	≤180
N40UH	1240-1280 (12.4-12.8)	≥899 (≥11.3)	≥1990 (≥25)	302-326 (38-41)	≤180
N28EH	1040-1090 (10.4-10.9)	≥780 (≥9.8)	≥2388 (≥30)	207-231 (26-29)	200
N30EH	1080-1130 (10.8-11.3)	≥812 (≥10.2)	≥2388 (≥30)	223-247 (28-31)	200
N33EH	1130-1170 (11.3-11.7)	≥836 (≥10.5)	≥2388 (≥30)	247-271 (31-34)	≤200
N35EH	1170-1220 (11.7-12.2)	≥876 (≥11.0)	≥2388 (≥30)	263-287 (33-36)	≤200
N38EH	1220-1250 (12.2-12.5)	≥899 (≥11.3)	≥2388 (≥30)	287-310 (36-39)	≤200

REMARKS:

- ✖ The above-mentioned data of magnetic parameters and physical properties are given at room temperature.
- ✖ The maximum service temperature of magnet is changeable due to the ratio length and diameter and environmental factors.
- ✖ Density: 7.4~7.6g/cm³; αBr: -0.09~-0.13%/°C; αHcj: -0.50~-0.80%/°C ; Hardness: Hv 600 ;