



烧结钕铁硼磁性能和物理特性 Magnetic Characteristics and Physical Properties of Sintered NdFeB

性能	剩磁感应强度	矫顽力	内禀矫顽力	最大磁能积	最高工作温度
Properties	Remanence	Coercive Force	Intrinsic Coercive Force	Max. Energy	Max Working Temp.
牌号	Br	HcB	HcJ	(BH) max	Tw.
Grade	mT (KGs)	KA/m (KOe)	KA/m (KOe)	KJ/m3 (MGOe)	°C
N35	1170-1220 (11.7-12.2)	≥ 868 (≥ 10.9)	≥ 955 (≥ 12)	263-287 (33-36)	≤ 80
N38	1220-1250 (12.2-12.5)	≥ 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)	≥ 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
N52	1440-1480 (14.4-14.8)	≥ 876 (≥ 10.5)	≥ 955 (≥ 12)	394-414 (49.5-52)	≤ 80
N30M	1080-1130 (10.8-11.3)	≥ 796 (≥ 10.0)	≥ 1114 (≥ 14)	223-247 (28-31)	≤ 100
N33M	1130-1180 (11.3-11.8)	≥ 836 (≥ 10.5)	≥ 1114 (≥ 14)	247-270 (31-34)	≤ 100
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
N30H	1080-1130 (10.8-11.3)	≥ 796 (≥ 10.0)	≥ 1353 (≥ 17)	223-247 (28-31)	≤ 120
N33H	1130-1180 (11.3-11.8)	≥ 836 (≥ 10.5)	≥ 1353 (≥ 17)	247-271 (31-34)	≤ 120
N35H	1170-1220 (11.7-12.2)	≥ 868 (≥ 10.9)	≥ 1353 (≥ 17)	263-287 (33-36)	≤ 120
N38H	1220-1250 (12.2-12.5)	≥ 899 (≥ 11.3)	≥ 1353 (≥ 17)	287-310 (36-39)	≤ 120
N40H	1250-1280 (12.5-12.8)	≥ 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	1320-1380 (13.2-13.8)	≥ 963 (≥ 12.1)	≥ 1353 (≥ 17)	342-366 (43-46)	≤ 120
N48H	1370-1430 (13.7-14.3)	≥ 995 (≥ 12.5)	≥ 1353 (≥ 17)	366-390 (46-49)	≤ 120
N30SH	1080-1130 (10.8-11.3)	≥ 804 (≥ 10.1)	≥ 1592 (≥ 20)	223-247 (28-31)	≤ 150
N33SH	1130-1170 (11.3-11.7)	≥ 844 (≥ 10.6)	≥ 1592 (≥ 20)	247-271 (31-34)	≤ 150
N35SH	1170-1220 (11.7-12.2)	≥ 876 (≥ 11.0)	≥ 1592 (≥ 20)	263-287 (33-36)	≤ 150
N38SH	1220-1250 (12.2-12.5)	≥ 907 (≥ 11.4)	≥ 1592 (≥ 20)	287-310 (36-39)	≤ 150
N40SH	1240-1280 (12.5-12.8)	≥ 939 (≥ 11.8)	≥ 1592 (≥ 20)	302-326 (38-41)	≤ 150
N42SH	1280-1320 (12.8-13.2)	≥ 995 (≥ 12.5)	≥ 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	1260-1290 (12.6-12.9)	≥ 907 (≥ 11.4)	≥ 1990 (≥ 25)	302-326 (38-41)	≤ 180



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性能 Properties	剩磁感应强度 Remanence	矫顽力 Coercive Force	内禀矫顽力 Intrinsic Coercive Force	最大磁能积 Max. Energy	最高工作温度 Max Working Temp.
牌号 Grade	Br mT (KGs)	HcB KA/m (KOE)	HcJ KA/m (KOE)	(BH) max KJ/m3 (MGOE)	Tw. °C
N42UH	1290-1330 (12.9-13.3)	≧ 907 (≧ 11.4)	≧ 1990 (≧ 25)	318-326 (40-42)	≤ 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)	≧ 812 (≧ 10.2)	≧ 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	1220-1260 (12.2-12.6)	≧ 915 (≧ 11.5)	≧ 2388 (≧ 30)	287-303 (36-38)	≤ 200
N28AH	1040-1080 (10.4-10.8)	≧ 780 (≧ 9.8)	≧ 2785 (≧ 35)	207-223 (26-28)	≤ 220
N30AH	1080-1130 (10.8-11.3)	≧ 812 (≧ 10.2)	≧ 2785 (≧ 35)	223-247 (28-31)	≤ 220
N33AH	1130-1170 (11.3-11.7)	≧ 812 (≧ 10.2)	≧ 2785 (≧ 35)	247-271 (31-34)	≤ 220

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