

Magnetic Properties Of Sintered Neodymium Magnet

Series	Grade	Max Operating Temp. °C	Remanence Br mT(KG)	Coercivity Hcb KA/m(KOe)	Intrinsic Coercivity Hcj KA/m(KOe)	Maximum Energy Product (BH)max KJ/m3 (MGoe)
N	N35	≤80°C	1170-1220(11.7-12.2)	≥868 (≥10.9)	≥955 (≥12)	263-287(33-36)
	N38	≤80°C	1220-1250(12.2_12.5)	≥899 (≥11.3)	≥955 (≥12)	287-310(36-39)
	N40	≤80°C	1250-1280(12.5-12.8)	≥907 (≥11.4)	≥955 (≥12)	302-326(38-41)
	N42	≤80°C	1280-1320(12.8-13.2)	≥915 (≥11.5)	≥955 (≥12)	318-342(40-43)
	N45	≤80°C	1320-1380(13.2-13.8)	≥923 (≥11.6)	≥955 (≥12)	342-366(43-46)
	N48	≤80°C	1380-1420(13.8-14.2)	≥923 (≥11.6)	≥955 (≥12)	366-390(46-49)
	N50	≤80°C	1400-1450(14.0-14.5)	≥836 (≥10.5)	≥955 (≥12)	382-406(48-51)
	N52	≤80°C	1430-1480(14.3-14.8)	≥836 (≥10.5)	≥876 (≥11)	398-422(50-53)
	N54	≤80°C	1450-1490(14.5-14.9)	≥836 (≥10.5)	≥876 (≥11)	406-438(51-55)
N55	≤80°C	1470-1520(14.7-15.2)	≥836 (≥10.5)	≥876 (≥11)	414-438(52-56)	
M	35M	≤100°C	1170-1220(11.7-12.2)	≥868 (≥10.9)	≥1114 (≥14)	263-287(33-36)
	38M	≤100°C	1220-1250(12.2-12.5)	≥899 (≥11.3)	≥1114 (≥14)	287-310(36-39)
	40M	≤100°C	1250-1280(12.5-12.8)	≥923 (≥11.6)	≥1114 (≥14)	302-326(38-40)
	42M	≤100°C	1280-1320(12.8-13.2)	≥955 (≥12.0)	≥1114 (≥14)	318-342(40-43)
	45M	≤100°C	1320-1380(13.2-13.8)	≥955 (≥12.5)	≥1114 (≥14)	342-366(43-46)
	48M	≤100°C	1360-1430(13.6-14.3)	≥1027 (≥12.9)	≥1114 (≥14)	366-390(46-49)
	50M	≤100°C	1400-1450(14.0-14.5)	≥1033 (≥13.0)	≥1114 (≥14)	382-406(48-51)
	52M	≤100°C	1420-1460(14.2-14.6)	≥1033 (≥13.0)	≥1114 (≥14)	398-414(50-52)
	54M	≤100°C	1450-1490(14.5-14.9)	≥1051 (≥13.2)	≥1114 (≥14)	406-438(51-55)
H	35H	≤120°C	1170-1220(11.7-12.2)	≥868 (≥10.9)	≥1353 (≥17)	263-287(33-36)
	38H	≤120°C	1220-1250(12.2-12.5)	≥899 (≥11.3)	≥1353 (≥17)	287-310(36-39)
	40H	≤120°C	1250-1280(12.5-12.8)	≥923 (≥11.6)	≥1353 (≥17)	302-326(38-41)
	42H	≤120°C	1280-1320(12.8-13.2)	≥955 (≥12.0)	≥1353 (≥17)	318-342(40-43)
	45H	≤120°C	1300-1360(13.0-13.6)	≥963 (≥12.1)	≥1353 (≥17)	326-358(43-46)
	48H	≤120°C	1370-1430(13.7-14.3)	≥955 (≥12.5)	≥1353 (≥17)	366-390(46-49)
	50H	≤120°C	1400-1450(14.0-14.5)	≥955 (≥12.5)	≥1353 (≥17)	382-406(48-51)
	52H	≤120°C	1420-1460(14.2-14.6)	≥1043 (≥13.1)	≥1353 (≥17)	390-422(49-53)
	54H	≤120°C	1440-1490(14.4-14.9)	≥1043 (≥13.1)	≥1353 (≥17)	398-438(50-55)
SH	35SH	≤150°C	1170-1220(11.7-12.2)	≥876 (≥11.0)	≥1592 (≥20)	263-287(33-36)
	38SH	≤150°C	1220-1250(12.2-12.5)	≥907 (≥11.4)	≥1592 (≥20)	287-310(36-39)
	40SH	≤150°C	1240-1280(12.5-12.8)	≥939 (≥11.8)	≥1592 (≥20)	302-326(38-41)
	42SH	≤150°C	1280-1320(12.8-13.2)	≥987 (≥12.4)	≥1592 (≥20)	318-342(40-43)
	45SH	≤150°C	1320-1380(13.2-13.8)	≥1003 (≥12.6)	≥1592 (≥20)	342-366(43-46)
	48SH	≤150°C	1370-1430(13.7-14.3)	≥1011 (≥12.7)	≥1592 (≥20)	358-390(45-49)
	50SH	≤150°C	1400-1450(14.0-14.5)	≥1003 (≥12.6)	≥1592 (≥20)	374-406(47-51)
	52SH	≤150°C	1420-1460(14.2-14.6)	≥1003 (≥12.6)	≥1592 (≥20)	392-422(49-53)
	54SH	≤150°C	1440-1490(14.4-14.9)	≥1003 (≥12.6)	≥1592 (≥20)	398-430(50-54)
UH	30UH	≤180°C	1080-1130(10.8-11.3)	≥812 (≥10.2)	≥1990 (≥25)	223-247(28-31)
	33UH	≤180°C	1130-1170(11.3-11.7)	≥852 (≥10.7)	≥1990 (≥25)	247-271(31-34)
	35UH	≤180°C	1180-1220(11.8-12.2)	≥860 (≥10.8)	≥1990 (≥25)	263-287(33-36)
	38UH	≤180°C	1220-1250(12.2-12.5)	≥876 (≥11.0)	≥1990 (≥25)	287-310(36-39)
	40UH	≤180°C	1240-1280(12.4-12.8)	≥899 (≥11.3)	≥1990 (≥25)	302-326(38-41)
	42UH	≤180°C	1280-1320(12.8-13.2)	≥899 (≥11.3)	≥1990 (≥25)	318-342(40-43)
	45UH	≤180°C	1320-1380(13.2-13.8)	≥899 (≥11.3)	≥1990 (≥25)	334-358(42-45)
	48UH	≤180°C	1370-1430(13.7-14.3)	≥1011 (≥12.7)	≥1990 (≥25)	358-390(45-49)
	50UH	≤180°C	1400-1450(14.0-14.5)	≥1035 (≥13.0)	≥1990 (≥25)	374-406(47-51)
EH	28EH	≤200°C	1040-1090(10.4-10.9)	≥780 (≥9.8)	≥2388 (≥30)	207-231(26-29)
	30EH	≤200°C	1080-1130(10.8-11.3)	≥812 (≥10.2)	≥2388 (≥30)	223-247(28-31)
	33EH	≤200°C	1130-1170(11.3-11.7)	≥836 (≥10.5)	≥2388 (≥30)	247-271(31-34)
	35EH	≤200°C	1170-1220(11.7-12.2)	≥876 (≥11.0)	≥2388 (≥30)	263-287(33-36)
	38EH	≤200°C	1220-1250(12.2-12.5)	≥899 (≥11.3)	≥2388 (≥30)	287-310(36-39)
	40EH	≤200°C	1240-1280(12.4-12.8)	≥939 (≥11.6)	≥2388 (≥30)	302-326(38-41)
	42EH	≤200°C	1280-1320(12.8-13.2)	≥939 (≥11.6)	≥2388 (≥30)	320-340(38-41)
	45EH	≤200°C	1320-1380(13.2-13.8)	≥979 (≥12.3)	≥2388 (≥30)	342-366(43-46)
	48EH	≤200°C	1370-1430(13.7-14.3)	≥979 (≥12.3)	≥2388 (≥30)	358-390(45-49)
AH	30AH	≤220°C	1020-1080(10.2-10.8)	≥804 (≥10.1)	≥2624 (≥33)	223-239(28-30)
	33AH	≤220°C	1140-1170(11.4-11.7)	≥844 (≥10.6)	≥2624 (≥33)	247-263(31-33)
	35AH	≤220°C	1170-1210(11.7-12.1)	≥876 (≥10.9)	≥2624 (≥33)	263-279(33-36)
	38AH	≤220°C	1220-1250(12.2-12.5)	≥876 (≥10.9)	≥2624 (≥33)	279-310(36-39)
	40AH	≤220°C	1250-1280(12.5-12.8)	≥923 (≥11.6)	≥2624 (≥33)	302-326(38-41)
	42AH	≤220°C	1280-1320(12.8-13.2)	≥931 (≥11.7)	≥2624 (≥33)	318-342(40-43)
45AH	≤220°C	1320-1380(13.2-13.8)	≥932 (≥11.7)	≥2624 (≥33)	342-366(43-46)	