

Magnetic properties of Sintered NdFeB magnets:					
Grade	Remanence	Coercive Force	Intrinsic Coercive Force	Max. energy product	Max.
					Operating Temperature
	Br	Hcb	Hc j	(BH) max	Tw
	mT (kGs)	kA/m (kOe)	kA/m (kOe)	kJ/m ³ (MGOe)	
N35	1170–1220	≥ 868	≥955	263–287	80 C
	(11.7–12.2)	(≥ 10.9)	(≥ 12)	(33–36)	
N38	1220–1250	≥899	≥955	287–310	80 C
	(12.2–12.5)	(≥ 11.3)	(≥ 12)	(36–39)	
N40	1250–1280	≥ 907	≥955	302–326	80 C
	(12.5–12.8)	(≥ 11.4)	(≥ 12)	(38–41)	
N42	1280–1320	≥ 915	≥955	318–342	80 C
	(12.8–13.2)	(≥ 11.5)	(≥ 12)	(40–43)	
N45	1320–1380	≥ 923	≥955	342–366	80 C
	(13.2–13.8)	(≥ 11.6)	(≥ 12)	(43–46)	
N48	1380–1420	≥ 923	≥955	366–390	80 C
	(13.8–14.2)	(≥11.6)	(≥ 12)	(46–49)	
N50	1400–1450	≥ 796	≥955	382–406	80 C
	(14.0–14.5)	(≥ 10.0)	(≥ 12)	(48–51)	
N52	1430–1480	≥ 796	≥955	398–422	80 C
	(14.3–14.8)	(≥ 10.0)	(≥ 12)	(50–53)	
33M	1130–1170	≥ 836	≥ 1114	247–263	100 C
	(11.3–11.7)	(≥ 10.5)	(≥ 14)	(31–33)	
35M	1170–1220	≥ 868	≥ 1114	263–287	100 C
	(11.7–12.2)	(≥ 10.9)	(≥ 14)	(33–36)	
38M	1220–1250	≥ 899	≥ 1114	287–310	100 C
	(12.2–12.5)	(≥ 11.3)	(≥ 14)	(36–39)	
40M	1250–1280	≥ 923	≥ 1114	302–326	100 C
	(12.5–12.8)	(≥ 11.6)	(≥ 14)	(38–41)	
42M	1280–1320	≥ 955	≥ 1114	318–342	100 C
	(12.8–13.2)	(≥ 12.0)	(≥ 14)	(40–43)	
45M	1320–1380	≥ 995	≥ 1114	342–366	100 C
	(13.2–13.8)	(≥ 12.5)	(≥ 14)	(43–46)	

48M	1360-1430	≥ 1027	≥ 1114	366-390	100 C
	(13.6-14.3)	(≥ 12.9)	(≥ 14)	(46-49)	
50M	1400-1450	≥ 1033	≥ 1114	382-406	100 C
	(14.0-14.5)	(≥ 13.0)	(≥ 14)	(48-51)	
35H	1170-1220	≥ 868	≥ 1353	263-287	120 C
	(11.7-12.2)	(≥ 10.9)	(≥ 17)	(33-36)	
38H	1220-1250	≥ 899	≥ 1353	287-310	120 C
	(12.2-12.5)	(≥ 11.3)	(≥ 17)	(36-39)	
40H	1250-1280	≥ 923	≥ 1353	302-326	120 C
	(12.5-12.8)	(≥ 11.6)	(≥ 17)	(38-41)	
42H	1280-1320	≥ 955	≥ 1353	318-342	120 C
	(12.8-13.2)	(≥ 12.0)	(≥ 17)	(40-43)	
45H	1320-1360	≥ 963	≥ 1353	326-358	120 C
	(13.2-13.6)	(≥ 12.1)	(≥ 17)	(43-46)	
48H	1370-1430	≥ 995	≥ 1353	366-390	120 C
	(13.7-14.3)	(≥ 12.5)	(≥ 17)	(46-49)	
35SH	1170-1220	≥ 876	≥ 1592	263-287	150 C
	(11.7-12.2)	(≥ 11.0)	(≥ 20)	(33-36)	
38SH	1220-1250	≥ 907	≥ 1592	287-310	150 C
	(12.2-12.5)	(≥ 11.4)	(≥ 20)	(36-39)	
40SH	1240-1280	≥ 939	≥ 1592	302-326	150 C
	(12.5-12.8)	(≥ 11.8)	(≥ 20)	(38-41)	
42SH	1280-1320	≥ 987	≥ 1592	318-342	150 C
	(12.8-13.2)	(≥ 12.4)	(≥ 20)	(40-43)	
45SH	1320-1380	≥ 1003	≥ 1592	342-366	150 C
	(13.2-13.8)	(≥ 12.6)	(≥ 20)	(43-46)	
28UH	1020-1080	≥ 764	≥ 1990	207-231	180 C
	(10.2-10.8)	(≥ 9.6)	(≥ 25)	(26-29)	
30UH	1080-1130	≥ 812	≥ 1990	223-247	180 C
	(10.8-11.3)	(≥ 10.2)	(≥ 25)	(28-31)	
33UH	1130-1170	≥ 852	≥ 1990	247-271	180 C
	(11.3-11.7)	(≥ 10.7)	(≥ 25)	(31-34)	
35UH	1180-1220	≥ 860	≥ 1990	263-287	180 C
	(11.8-12.2)	(≥ 10.8)	(≥ 25)	(33-36)	
38UH	1220-1250	≥ 876	≥ 1990	287-310	180 C
	(12.2-12.5)	(≥ 11.0)	(≥ 25)	(36-39)	
40UH	1240-1280	≥ 899	≥ 1990	302-326	180 C
	(12.5-12.8)	(≥ 11.3)	(≥ 25)	(38-41)	
28EH	1040-1090	≥ 780	≥ 2388	207-231	200 C

	(10.4-10.9)	(≥ 9.8)	(≥ 30)	(26-29)	
30EH	1080-1130	≥ 812	≥ 2388	223-247	200 C
	(10.8-11.3)	(≥ 10.2)	(≥ 30)	(28-31)	
33EH	1130-1170	≥ 876	≥ 2388	247-271	200 C
	(11.3-11.7)	(≥ 10.5)	(≥ 30)	(31-34)	
35EH	1170-1220	≥ 876	≥ 2388	263-287	200 C
	(11.7-12.2)	(≥ 11.0)	(≥ 30)	(33-36)	
38EH	1220-1250	≥ 899	≥ 2388	287-310	200 C
	(12.2-12.5)	(≥ 11.3)	(≥ 30)	(36-39)	
28AH	1040-1090	≥ 787	≥ 2624	207-231	230 C
	(10.4-10.9)	(≥ 9.9)	(≥ 33)	(26-29)	
30AH	(26-29)	≥ 819	≥ 2624	223-247	230 C
	(10.8-11.3)	(≥ 10.3)	(≥ 33)	(28-31)	
33AH	1130-1170	≥ 843	≥ 2624	247-271	230 C
	(11.3-11.7)	(≥ 10.6)	(≥ 33)	(31-34)	