

● MAGNETIC CHARACTERISTICS AND PHYSICAL PROPERTIES OF SINTERED Nd-Fe-B

	Grade	Br mT (KGs)	bHc KA/m (KOe)	iHc KA/m (KOe)	BHmax KJ/m ³ (MG0e)	Density g/cm ³	Br. Temp. Coefficient %/°C	Curie Temp. °C	Working Temp. °C
N	N35	1170-1210	≥868	≥955	263-287	7.4-7.6	-0.12	310	≤80
		(11.7-12.1)	(≥10.9)	(≥12)	(33-36)				
	N38	1210-1250	≥899	≥955	287-310	7.4-7.6	-0.12	310	≤80
		(12.1-12.5)	(≥11.3)	(≥12)	(36-37)				
	N40	1250-1280	≥923	≥955	302-326	7.4-7.6	-0.12	310	≤80
		(12.5-12.8)	(≥11.6)	(≥12)	(38-41)				
	N42	1280-1320	≥923	≥955	318-342	7.4-7.6	-0.12	310	≤80
(12.8-13.2)		(≥11.6)	(≥12)	(40-43)					
N45	1320-1380	≥876	≥955	342-366	7.4-7.6	-0.12	310	≤80	
	(13.2-13.8)	(≥11.0)	(≥12)	(43-46)					
N48	1370-1420	≥836	≥876	366-390	7.4-7.6	-0.12	310	≤80	
	(13.7-14.2)	(≥10.5)	(≥11)	(46-49)					
N50	1400-1450	≥836	≥876	366-390	7.4-7.6	-0.12	310	≤80	
	(14.0-14.5)	(≥10.5)	(≥11)	(47-51)					
M	35M	1170-1210	≥868	≥1114	263-287	7.4-7.6	-0.12	320	≤100
		(11.7-12.1)	(≥10.9)	(≥14)	(33-36)				
	38M	1210-1250	≥899	≥1114	287-310	7.4-7.6	-0.12	320	≤100
		(12.1-12.5)	(≥11.3)	(≥14)	(36-37)				
	40M	1250-1280	≥923	≥1114	302-326	7.4-7.6	-0.12	320	≤100
		(12.5-12.8)	(≥11.6)	(≥14)	(38-42)				
	42M	1280-1320	≥955	≥1114	318-342	7.4-7.6	-0.12	320	≤100
(12.8-13.2)		(≥12.0)	(≥14)	(40-44)					
45M	1320-1380	≥994	≥1114	334-366	7.4-7.6	-0.12	320	≤100	
	(13.2-13.8)	(≥12.5)	(≥14)	(42-46)					
48M	1370-1420	≥1018	≥1114	358-390	7.4-7.6	-0.12	320	≤100	
	(13.7-14.2)	(≥12.8)	(≥14)	(45-49)					
50M	1400-1450	≥1042	≥1114	374-406	7.4-7.6	-0.12	320	≤100	
	(14.0-14.5)	(≥13.1)	(≥14)	(47-51)					
H	30H	1080-1130	≥810	≥1353	220-247	7.4-7.6	-0.10	340	≤120
		(10.8-11.3)	(≥10.2)	(≥17)	(30-31)				
	33H	1130-1170	≥836	≥1353	247-263	7.4-7.6	-0.10	340	≤120
		(11.3-11.7)	(≥10.5)	(≥17)	(31-33)				
	35H	1170-1210	≥868	≥1353	263-287	7.4-7.6	-0.10	340	≤120
		(11.7-12.1)	(≥10.9)	(≥17)	(33-36)				
38H	1210-1250	≥899	≥1353	287-310	7.4-7.6	-0.10	340	≤120	
	(12.1-12.5)	(≥11.3)	(≥17)	(36-37)					
40H	1250-1280	≥923	≥1353	302-326	7.4-7.6	-0.10	340	≤120	
	(12.5-12.8)	(≥11.6)	(≥17)	(38-41)					