



## Types and properties of Sintered NdFeB magnets

	Anisotropic Sintered Nd2Fe14B Magnets	Max. energy product		Residual Induction		Coercivity		Intrinsic Coercivity		Max. operating temp.		Curie temp.
		(BH)max.		Br.		Hcb		Hcj		[°C]	[°C]	T <sub>c</sub>
Grade	[kJ/m <sup>3</sup> ]	[MGOe]	[T]	[kGs]	[kA/m]	[kOe]	[kA/m]	[kOe]				
1	N40	302-334	38-42	1.26-1.30	12.6-13.0	≥860	≥10.8	≥955	≥12	80	310	
2	N42	318-350	40-44	1.28-1.32	12.8-13.2	≥875	≥11.0	≥955	≥12	80	310	
3	N45	334-366	42-46	1.32-1.38	13.2-13.8	≥836	≥10.5	≥955	≥12	80	310	
4	N48	358-390	45-49	1.37-1.42	13.7-14.2	≥836	≥10.5	≥955	≥12	80	310	
5	N50	374-406	47-51	1.41-1.44	14.1-14.4	≥836	≥10.5	≥955	≥12	80	310	
6	N52	390-422	49-53	1.43-1.46	14.3-14.6	≥836	≥10.5	≥955	≥12	80	310	
7	N55	414-438	52-55	1.45-1.50	14.5-15.0	≥836	≥10.5	≥875	≥11	80	310	
8	N40M	302-334	38-42	1.26-1.30	12.6-13.0	≥875	≥11.0	≥1114	≥14	100	320	
9	N42M	318-350	40-44	1.28-1.32	12.8-13.2	≥875	≥11.0	≥1114	≥14	100	320	
10	N45M	334-366	42-46	1.32-1.38	13.2-13.8	≥910	≥11.4	≥1114	≥14	100	320	
11	N48M	358-390	45-49	1.37-1.42	13.7-14.2	≥1019	≥12.8	≥1114	≥14	100	320	
12	N50M	374-406	47-51	1.40-1.44	14.0-14.4	≥1043	≥13.1	≥1114	≥14	100	320	
13	N52M	390-422	49-53	1.42-1.46	14.2-14.6	≥1043	≥13.1	≥1114	≥14	100	320	
14	N45H	326-358	41-45	1.32-1.36	13.2-13.6	≥950	≥12.0	≥1356	≥17	120	340	
15	N48H	358-390	45-49	1.36-1.42	13.6-14.2	≥1019	≥13.7	≥1356	≥17	120	340	
16	N50H	382-414	48-52	1.41-1.44	14.1-14.4	≥1019	≥13.7	≥1270	≥16	120	340	
17	N52H	398-430	50-54	1.42-1.46	14.2-14.6	≥1019	≥13.7	≥1270	≥16	120	340	
18	N35SH	263-287	33-36	1.18-1.22	11.8-12.2	≥860	≥10.8	≥1595	≥20	150	350	
19	N38SH	287-318	36-40	1.22-1.26	12.2-12.6	≥875	≥11	≥1595	≥20	150	350	
20	N40SH	302-334	38-42	1.26-1.30	12.6-13.0	≥875	≥11.0	≥1595	≥20	150	350	
21	N42SH	318-350	40-44	1.28-1.32	12.8-13.2	≥915	≥11.5	≥1595	≥20	150	350	
22	N45SH	334-366	42-46	1.32-1.36	13.2-13.6	≥915	≥11.5	≥1595	≥20	150	350	
23	N48SH	358-390	45-49	1.37-1.40	13.7-14.0	≥915	≥11.5	≥1515	≥19	150	350	
24	N50SH	382-414	48-52	1.41-1.44	14.1-14.4	≥915	≥11.5	≥1515	≥19	150	350	
25	N28UH	207-239	26-30	1.04-1.10	10.4-11.0	≥740	≥9.30	≥1990	≥25	180	350	
26	N30UH	223-255	28-32	1.10-1.14	11.0-11.4	≥780	≥9.80	≥1990	≥25	180	350	
27	N33UH	247-279	31-35	1.14-1.18	11.4-11.8	≥820	≥10.3	≥1990	≥25	180	350	
28	N35UH	263-287	33-36	1.18-1.22	11.8-12.2	≥860	≥10.8	≥1990	≥25	180	350	
29	N38UH	287-318	36-40	1.22-1.26	12.2-12.6	≥875	≥11.0	≥1990	≥25	180	350	
30	N40UH	302-334	38-42	1.26-1.30	12.6-13.0	≥875	≥11.0	≥1990	≥25	180	350	
31	N42UH	318-350	40-44	1.28-1.32	12.8-13.2	≥875	≥11.0	≥1990	≥25	180	350	
32	N45UH	334-366	42-46	1.32-1.36	13.2-13.6	≥875	≥11.0	≥1910	≥24	180	350	
33	N28EH	207-239	26-30	1.04-1.10	10.4-11.0	≥820	≥10.3	≥2387	≥30	200	350	
34	N30EH	223-255	28-32	1.08-1.14	10.8-11.4	≥844	≥10.6	≥2387	≥30	200	350	
35	N33EH	247-279	31-35	1.12-1.18	11.2-11.8	≥860	≥10.8	≥2387	≥30	200	350	
36	N35EH	263-287	33-36	1.17-1.20	11.7-12.0	≥860	≥10.8	≥2387	≥30	200	350	
37	N38EH	287-318	36-40	1.22-1.26	12.2-12.6	≥875	≥11.0	≥2387	≥30	200	350	
38	N30AH	223-255	28-32	1.08-1.14	10.8-11.4	≥804	≥10.1	≥2786	≥35	220	350	
39	N35AH	255-287	32-36	1.16-1.22	11.6-12.2	≥852	≥10.7	≥2786	≥35	220	350	

① Further qualities or grade on low thermal coefficient magnets, please contact us for more details.

② The maximum operating temperature depends on the magnet's dimensions and its final applications. We recommend keeping a margin of safety in materials selection.

A SWISS COMPANY SPECIALIZED IN DESIGN,  
 PRODUCTION AND DISTRIBUTION OF PERMANENT MAGNETS AND PRECISION ASSEMBLIES  
*You have problems or ideas - we provide solutions*

