You have problems or ideas
- we provide solutions

Types and properties of Sintered NdFeB magnets

YX MAGNETIC

Our company holds ISO14001, ISO90001, IATF16949, QC080000, ISO 45001 certificates

Anisotropic Sintered $Nd_2Fe_{14}B$ Magnets ①	Max. energy product		Residual Induction		Coercivity		Instrinsic Coercivity		Max. operating temp.②	Curie temp.
Grade	(BH)max.		Br.		Hcb		Hcj		MT_C	T_C
	[kJ/m3]	[MGOe]	[T]	[kGs]	[kA/m]	[kOe]	[kA/m]	[kOe]	[°C]	[°C]
N40	302~334	38~42	1.26~1.30	12.6~13.0	≥860	≥10.8	≥955	≥12	80	310
N42	318~350	40~44	1.28~1.32	12.8~13.2	≥875	≥11.0	≥955	≥12	80	310
N45	334~366	42~46	1.32~1.38	13.2~13.8	≥836	≥10.5	≥955	≥12	80	310
N48	358~390	45~49	1.37~1.42	13.7~14.2	≥836	≥10.5	≥955	≥12	80	310
N50	374~406	47~51	1.41~1.44	14.1~14.4	≥836	≥10.5	≥955	≥12	80	310
N52	390~422	49~53	1.43~1.46	14.3~14.6	≥836	≥10.5	≥955	≥12	80	310
N55	414~438	52~55	1.45~1.50	14.5~15.0	≥836	≥10.5	≥875	≥11	80	310
N40M	302~334	38~42	1.26~1.30	12.6~13.0	≥875	≥11.0	≥1114	≥14	100	320
N42M	318~350	40~44	1.28~1.32	12.8~13.2	≥875	≥11.0	≥1114	≥14	100	320
N45M	334~366	42~46	1.32~1.38	13.2~13.8	≥910	≥11.4	≥1114	≥14	100	320
N48M	358~390	45~49	1.37~1.42	13.7~14.2	≥1019	≥12.8	≥1114	≥14	100	320
N50M	374~406	47~51	1.40~1.44	14.0~14.4	≥1043	≥13.1	≥1114	≥14	100	320
N52M	390~422	49~53	1.42~1.46	14.2~14.6	≥1043	≥13.1	≥1114	≥14	100	320
N45H	326~358	41~45	1.32~1.36	13.2~13.6	≥950	≥12.0	≥1356	≥17	120	340
N48H	358~390	45~49	1.36~1.42	13.6~14.2	≥1019	≥13.7	≥1356	≥17	120	340
N50H	382~414	48~52	1.41~1.44	14.1~14.4	≥1019	≥13.7	≥1270	≥16	120	340
N52H	398~430	50~54	1.42~1.46	14.2~14.6	≥1019	≥13.7	≥1270	≥16	120	340
N35SH	263~287	33~36	1.18~1.22	11.8~12.2	≥860	≥10.8	≥1595	≥20	150	350
N38SH	287~318	36~40	1.22~1.26	12.2~12.6	≥875	≥11	≥1595	≥20	150	350
N40SH	302~334	38~42	1.26~1.30	12.6~13.0	≥875	≥11.0	≥1595	≥20	150	350
N42SH	318~350	40~44	1.28~1.32	12.8~13.2	≥915	≥11.5	≥1595	≥20	150	350
N45SH	334~366	42~46	1.32~1.36	13.2~13.6	≥915	≥11.5	≥1595	≥20	150	350
N48SH	358~390	45~49	1.37~1.40	13.7~14.0	≥915	≥11.5	≥1515	≥19	150	350
N50SH	382~414	48~52	1.41~1.44	14.1~14.4	≥915	≥11.5	≥1515	≥19	150	350
N28UH	207~239	26~30	1.04~1.10	10.4~11.0	≥740	≥9.30	≥1990	≥25	180	350
N30UH	223~255	28~32	1.10~1.14	11.0~11.4	≥780	≥9.80	≥1990	≥25	180	350
N33UH	247~279	31~35	1.14~1.18	11.4~11.8	≥820	≥10.3	≥1990	≥25	180	350
N35UH	263~287	33~36	1.18~1.22	11.8~12.2	≥860	≥10.8	≥1990	≥25	180	350
N38UH	287~318	36~40	1.22~1.26	12.2~12.6	≥875	≥11.0	≥1990	≥25	180	350
N40UH	302~334	38~42	1.26~1.30	12.6~13.0	≥875	≥11.0	≥1990	≥25	180	350
N42UH	318~350	40~44	1.28~1.32	12.8~13.2	≥875	≥11.0	≥1990	≥25	180	350
N45UH	334~366	42~46	1.32~1.36	13.2~13.6	≥875	≥11.0	≥1910	≥24	180	350
N28EH	207~239	26~30	1.04~1.10	10.4~11.0	≥820	≥10.3	≥2387	≥30	200	350
N30EH	223~255	28~32	1.08~1.14	10.8~11.4	≥844	≥10.6	≥2387	≥30	200	350
N33EH	247~279	31~35	1.12~1.18	11.2~11.8	≥860	≥10.8	≥2387	≥30	200	350
N35EH	263~287	33~36	1.17~1.20	11.7~12.0	≥860	≥10.8	≥2387	≥30	200	350
N38EH	287~318	36~40	1.22~1.26	12.2~12.6	≥875	≥11.0	≥2387	≥30	200	350
N30AH	223~255	28~32	1.08~1.14	10.8~11.4	≥804	≥10.1	≥2786	≥35	220	350
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.

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PRODUCTION AND DISTRIBUTION OF PERMANENT MAGNETS
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YX Magnetic SA · Rue du Stade 38 · CH-3960 Sierre · Switzerland
Tél : +41 (0)27 455 18 35 · E-mail : info@yxmagnetic.com · www.yxmagnetic.com