



## Magnetic features

	Residual induction (Br)	Coercive force (Hcb)	Intrinsic coercive force (Hcj)	Maximum energy product (BH) max	Max. work temp.	Temp. coefficient of Br from 20 up to 100°C	Temp. coefficient of Hcj from 20 up to 100°C	Density	Vickers hardness	Electric resistance rate	Hot coefficient of expans.
Code	T (KGs)	KA/m (kOe)	KA/m (kOe)	KJ/m <sup>3</sup> (MGOe)	°C	% / °C	% / °C	G/cm <sup>3</sup>	Hv	μOcm	μOcm
<b>Nyomag NM-33H</b>	1.14 - 1.22 (11.4 - 12.2)	≥ 851 (≥ 10.7)	≥ 1353 (≥ 17)	247 - 279 (31 - 35)	≤ 120	- 0.11	- 0.60	7.5	570	150	<b>3.4 - 4.8</b>
<b>Nyomag NM-35H</b>	1.18 - 1.25 (11.8 - 12.5)	≥ 875 (≥ 11.0)	≥ 1353 (≥ 17)	263 - 294 (33 - 37)	≤ 120	- 0.11	- 0.60	7.5	570	150	<b>3.4 - 4.8</b>
<b>Nyomag NM-38H</b>	1.23 - 1.30 (12.3 - 13.0)	≥ 907 (≥ 11.4)	≥ 1353 (≥ 17)	286 - 318 (36 - 40)	≤ 120	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-40H</b>	1.26 - 1.32 (12.6 - 13.2)	≥ 936 (≥ 11.8)	≥ 1273 (≥ 16)	302 - 334 (38 - 42)	≤ 120	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-42H</b>	1.30 - 1.35 (13.0 - 13.5)	≥ 939 (≥ 11.8)	≥ 1273 (≥ 16)	318 - 350 (40 - 44)	≤ 120	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-44H</b>	1.30 - 1.37 (13.0 - 13.7)	≥ 939 (≥ 11.8)	≥ 1273 (≥ 16)	326 - 358 (41 - 45)	≤ 120	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-48H</b>	1.36 - 1.43 (13.6 - 14.3)	≥ 995 (≥ 12.5)	≥ 1274 (≥ 16)	366 - 390 (46 - 49)	≤ 120	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-30SH</b>	1.09 - 1.17 (10.9 - 11.7)	≥ 812 (≥ 10.2)	≥ 1592 (≥ 20)	223 - 255 (28 - 32)	≤ 150	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-33SH</b>	1.14 - 1.22 (11.4 - 12.2)	≥ 851 (≥ 10.7)	≥ 1592 (≥ 20)	247 - 279 (31 - 35)	≤ 150	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-35SH</b>	1.18 - 1.25 (11.8 - 12.5)	≥ 875 (≥ 11.0)	≥ 1592 (≥ 20)	263 - 294 (33 - 37)	≤ 150	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-38SH</b>	1.23 - 1.30 (12.3 - 13.0)	≥ 923 (≥ 11.6)	≥ 1592 (≥ 20)	286 - 318 (36 - 40)	≤ 150	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-40SH</b>	1.26 - 1.32 (12.6 - 13.2)	≥ 939 (≥ 11.8)	≥ 1592 (≥ 20)	302 - 334 (38 - 42)	≤ 150	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-42SH</b>	1.28 - 1.34 (12.8 - 13.4)	≥ 939 (≥ 11.8)	≥ 1592 (≥ 19)	310 - 342 (39 - 43)	≤ 150	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-45SH</b>	1.32 - 1.38 (13.2 - 13.8)	≥ 1003 (≥ 12.6)	≥ 1592 (≥ 20)	342 - 366 (43 - 46)	≤ 150	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-25UH</b>	0.98 - 1.07 (9.8 - 10.7)	≥ 732 (≥ 9.20)	≥ 1989 (≥ 25)	183 - 215 (23 - 27)	≤ 180	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-28UH</b>	1.05 - 1.13 (10.5 - 11.3)	≥ 780 (≥ 9.80)	≥ 1989 (≥ 25)	207 - 239 (26 - 30)	≤ 180	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-30UH</b>	1.09 - 1.17 (10.9 - 11.7)	≥ 812 (≥ 10.2)	≥ 1989 (≥ 25)	223 - 255 (28 - 32)	≤ 180	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-33UH</b>	1.14 - 1.22 (11.4 - 12.2)	≥ 851 (≥ 10.7)	≥ 1989 (≥ 25)	247 - 279 (31 - 35)	≤ 180	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-35UH</b>	1.18 - 1.25 (11.8 - 12.5)	≥ 875 (≥ 11.0)	≥ 1989 (≥ 25)	263 - 294 (33 - 37)	≤ 180	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-38UH</b>	1.21 - 1.25 (12.1 - 12.5)	≥ 907 (≥ 11.4)	≥ 1990 (≥ 25)	287 - 310 (36 - 39)	≤ 180	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-40UH</b>	1.25 - 1.28 (12.5 - 12.8)	≥ 907 (≥ 11.4)	≥ 1990 (≥ 25)	302 - 326 (38 - 41)	≤ 180	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>

## Magnetic features

	Residual induction (Br)	Coercive force (Hcb)	Intrinsic coercive force (Hcj)	Maximum energy product (BH) max	Max. work temp.	Temp. coefficient of Br from 20 up to 100°C	Temp. coefficient of Hcj from 20 up to 100°C	Density	Vickers hardness	Electric resistance rate	Hot coefficient of expans.
Code	T (KGs)	KA/m (kOe)	KA/m (kOe)	KJ/m <sup>3</sup> (MGOe)	°C	% / °C	% / °C	G/cm <sup>3</sup>	Hv	μOcm	μOcm
<b>Nyomag NM-25EH</b>	0.98 - 1.07 (9.8 - 10.7)	≥ 732 (≥ 9.20)	≥ 2387 (≥ 30)	183 - 215 (23 - 27)	≤ 200	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-28EH</b>	1.05 - 1.08 (10.5 - 10.8)	≥ 756 (≥ 9.5)	≥ 2388 (≥ 30)	207 - 231 (26 - 29)	≤ 200	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-30EH</b>	1.08 - 1.14 (10.8 - 11.4)	≥ 756 (≥ 9.5)	≥ 2388 (≥ 30)	223 - 241 (28 - 31)	≤ 200	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-33EH</b>	1.13 - 1.17 (11.3 - 11.7)	≥ 812 (≥ 10.2)	≥ 2388 (≥ 30)	247 - 263 (31 - 33)	≤ 200	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-35EH</b>	1.17 - 1.21 (11.7 - 12.1)	≥ 812 (≥ 10.2)	≥ 2388 (≥ 30)	263 - 287 (33 - 36)	≤ 200	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-38EH</b>	1.21 - 1.25 (12.1 - 12.5)	≥ 907 (≥ 11.4)	≥ 2388 (≥ 30)	287 - 310 (36 - 39)	≤ 200	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-30AH</b>	1.08 - 1.13 (10.8 - 11.3)	≥ 812 (≥ 10.2)	≥ 2785 (≥ 35)	223 - 255 (28 - 32)	≤ 220	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>
<b>Nyomag NM-33AH</b>	1.12 - 1.17 (11.2 - 11.7)	≥ 812 (≥ 10.2)	≥ 2785 (≥ 35)	247 - 271 (31 - 34)	≤ 220	- 0.11	- 0.60	7.5	570	150	<b>3.04 - 4.8</b>

Remark: The above mentioned data of magnetic parameters and physical properties are given at room temperature (20°C± 3°C)  
The maximum working temperature of magnet is changeable due to the ratio length and diameter, coating and environmental factors.