

Nd-Fe-B Sinter Magnet

Magnetic and physical properties

| 材質 GRADE | 残留磁束密度 [Br] Residual Flux Density | | 保磁力 | | | | 最大エネルギー積 [(BH)max] Max Energy Pduct | | Br 温度係数 Temp. Coefficient of Br | Hcj 温度係数 Temp. Coefficient of Hcj | 耐熱温度 [TW] Max Working Temp. |
|-------------|--------------------------------------|-----------|---------------------------|----------|-------------------------------------|----------|---|-------------------|--|--|--------------------------------------|
| | | | 【 Hcb 】 Coercive Force | | 【 Hcj 】 Intrinsic Coercive Force | | | | | | |
| | kGs | T | kOe Min | kA/m Min | kOe Min | kA/m Min | MGOe | KJ/m ³ | /% · °C | /% · °C | (L/D=0.7)/°C |
| 36N | 11.8-12.5 | 1.18-1.25 | 10.8 | 859 | 12 | 955 | 33-37 | 263-295 | -0.11 | -0.75 | 80 |
| 38N | 12.3-13.0 | 1.23-1.30 | 10.8 | 859 | 12 | 955 | 36-40 | 287-318 | -0.11 | -0.75 | 80 |
| 40N | 12.6-13.2 | 1.26-1.32 | 10.5 | 836 | 12 | 955 | 38-42 | 289-334 | -0.11 | -0.75 | 80 |
| 42N | 13.0-13.5 | 1.30-1.35 | 10.5 | 836 | 12 | 955 | 40-44 | 318-350 | -0.11 | -0.75 | 80 |
| 45N | 13.2-13.8 | 1.32-1.38 | 10.5 | 836 | 11 | 875 | 42-46 | 334-366 | -0.11 | -0.75 | 80 |
| 48N | 13.7-14.3 | 1.37-1.43 | 10.5 | 836 | 11 | 876 | 45-49 | 358-390 | -0.11 | -0.75 | 80 |
| 50N | 14.0-14.6 | 1.40-1.46 | 10.5 | 836 | 11 | 876 | 47-51 | 374-406 | -0.11 | -0.75 | 80 |
| 53N | 14.4-15.0 | 1.44-1.50 | 10.5 | 836 | 11 | 876 | 50-54 | 398-430 | -0.11 | -0.75 | 80 |
| 55N | ≥14.7 | ≥1.47 | 10.5 | 836 | 11 | 876 | ≥52 | ≥414 | -0.11 | -0.75 | 80 |
| 33M | 11.4-12.2 | 1.14-1.22 | 10.7 | 852 | 14 | 1114 | 31-35 | 247-279 | -0.10 | -0.65 | 100 |
| 35M | 11.8-12.5 | 1.18-1.25 | 11.0 | 876 | 14 | 1114 | 33-37 | 263-295 | -0.10 | -0.65 | 100 |
| 38M | 12.3-13.0 | 1.23-1.30 | 11.5 | 915 | 14 | 1114 | 36-40 | 287-318 | -0.10 | -0.65 | 100 |
| 40M | 12.6-13.2 | 1.26-1.32 | 11.8 | 939 | 14 | 1114 | 38-42 | 289-334 | -0.10 | -0.65 | 100 |
| 42M | 12.9-13.5 | 1.29-1.35 | 12.1 | 963 | 14 | 1114 | 40-44 | 318-350 | -0.10 | -0.65 | 100 |
| 45M | 13.2-13.8 | 1.32-1.38 | 12.4 | 987 | 14 | 1114 | 42-46 | 334-366 | -0.10 | -0.65 | 100 |
| 48M | 13.7-14.3 | 1.37-1.43 | 12.8 | 1019 | 14 | 1114 | 45-49 | 358-390 | -0.10 | -0.65 | 100 |
| 50M | 14.0-14.6 | 1.40-1.46 | 13.1 | 1043 | 14 | 1114 | 47-51 | 374-406 | -0.10 | -0.65 | 100 |
| 33H | 11.4-12.2 | 1.14-1.22 | 10.7 | 851 | 17 | 1353 | 31-35 | 247-279 | -0.11 | -0.55 | 120 |
| 35H | 11.8-12.5 | 1.18-1.25 | 11.0 | 875 | 17 | 1353 | 33-37 | 263-295 | -0.11 | -0.55 | 120 |
| 38H | 12.3-13.0 | 1.23-1.30 | 11.5 | 915 | 17 | 1353 | 36-40 | 287-318 | -0.11 | -0.55 | 120 |
| 40H | 12.6-13.2 | 1.26-1.32 | 11.8 | 939 | 17 | 1353 | 38-42 | 302-334 | -0.11 | -0.55 | 120 |
| 42H | 12.9-13.5 | 1.29-1.35 | 12.1 | 963 | 17 | 1353 | 40-44 | 318-350 | -0.11 | -0.55 | 120 |
| 44H | 13.0-13.6 | 1.30-1.36 | 12.2 | 971 | 17 | 1353 | 41-45 | 326-358 | -0.11 | -0.55 | 120 |
| 46H | 13.3-13.9 | 1.33-1.39 | 12.5 | 995 | 16 | 1274 | 43-47 | 342-374 | -0.11 | -0.55 | 120 |
| 48H | 13.7-14.3 | 1.37-1.43 | 12.8 | 1019 | 16 | 1274 | 45-49 | 358-390 | -0.11 | -0.55 | 120 |
| 50H | 14.0-14.6 | 1.40-1.46 | 13.1 | 1043 | 16 | 1274 | 47-51 | 374-406 | -0.11 | -0.55 | 120 |
| 33SH | 11.4-12.2 | 1.14-1.22 | 10.7 | 851 | 20 | 1592 | 31-35 | 247-279 | -0.10 | -0.50 | 150 |
| 35SH | 11.7-12.4 | 1.17-1.24 | 10.9 | 868 | 20 | 1592 | 33-37 | 263-295 | -0.10 | -0.50 | 150 |
| 38SH | 12.2-12.6 | 1.22-1.26 | 11.4 | 907 | 20 | 1592 | 36-40 | 287-318 | -0.10 | -0.50 | 150 |
| 40SH | 12.6-13.2 | 1.26-1.32 | 11.8 | 939 | 20 | 1592 | 38-42 | 302-334 | -0.10 | -0.50 | 150 |
| 42SH | 12.9-13.5 | 1.29-1.35 | 12.1 | 963 | 20 | 1592 | 40-44 | 318-350 | -0.10 | -0.50 | 150 |
| 44SH | 13.0-13.6 | 1.30-1.36 | 12.2 | 971 | 20 | 1592 | 41-45 | 326-358 | -0.10 | -0.50 | 150 |
| 46SH | 13.3-13.9 | 1.33-1.39 | 12.5 | 995 | 20 | 1592 | 43-47 | 342-374 | -0.10 | -0.50 | 150 |
| 30UH | 10.8-11.5 | 1.08-1.15 | 10.1 | 804 | 25 | 1990 | 28-32 | 223-255 | -0.095 | -0.50 | 180 |
| 33UH | 11.4-12.1 | 1.14-1.21 | 10.7 | 852 | 25 | 1990 | 31-35 | 247-279 | -0.095 | -0.50 | 180 |
| 35UH | 11.7-12.4 | 1.17-1.24 | 10.9 | 868 | 25 | 1990 | 33-37 | 263-295 | -0.095 | -0.50 | 180 |
| 38UH | 12.2-12.9 | 1.22-1.29 | 11.4 | 907 | 25 | 1990 | 36-40 | 287-318 | -0.095 | -0.50 | 180 |
| 40UH | 12.6-13.2 | 1.26-1.32 | 11.8 | 939 | 25 | 1990 | 38-42 | 302-334 | -0.095 | -0.50 | 180 |
| 30EH | 10.8-11.5 | 1.08-1.15 | 10.1 | 804 | 30 | 2388 | 28-32 | 223-255 | -0.095 | -0.50 | 200 |
| 33EH | 11.4-12.1 | 1.14-1.21 | 10.7 | 852 | 30 | 2388 | 31-35 | 247-279 | -0.095 | -0.50 | 200 |
| 35EH | 11.7-12.4 | 1.17-1.24 | 10.9 | 868 | 30 | 2388 | 33-37 | 263-295 | -0.095 | -0.50 | 200 |
| 38EH | 12.2-12.9 | 1.22-1.29 | 11.5 | 915 | 30 | 2388 | 36-40 | 287-318 | -0.095 | -0.50 | 200 |
| 40EH | 12.6-13.2 | 1.26-1.32 | 11.8 | 939 | 30 | 2388 | 38-42 | 302-334 | -0.095 | -0.50 | 200 |
| 30AH | 10.8-11.5 | 1.08-1.15 | 10.1 | 804 | 35 | 2786 | 28-32 | 223-255 | -0.090 | -0.45 | 230 |
| 33AH | 11.4-12.1 | 1.14-1.21 | 10.7 | 851 | 35 | 2786 | 31-35 | 247-279 | -0.090 | -0.45 | 230 |
| 28ZH | 10.4-11.1 | 1.04-1.11 | 9.7 | 772 | 40 | 3184 | 26-30 | 207-239 | -0.090 | -0.45 | 250 |

Suggestive:

Besides the above grades, our company also have the process capacity to manufacture custom-made Nd-Fe-B Sinter magnet with specific characteristics to meet customers' requirements.

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