

NdFeBシリーズの磁気特性

Rev:2018

| NO. | 単位 Unit | S I 国際単位 | | | | CGS 物理単位 | | | |
|-----|-----------------|--------------|------------|------------|---------------------|--------------|-------------|------------|---------------------|
| | | 残留磁束密度 Br | 保磁石 Hcb | 保磁力 Hcj | 最大エネルギー積 (BH)max | 残留磁束密度 Br | 保磁石 cb H | 保磁力 Hcj | 最大エネルギー積 (BH)max |
| NO. | Normal NdFeB | T | kA/m | kA/m | kJ/m ³ | kGs | kOe | kOe | MGOe |
| | 材質グレード | min. - max. | min. | min. | min.-max. | min. - max. | min. | min. | min.-max. |
| 1 | N35 | 1.18 - 1.23 | ≥ 876 | ≥960 | 263 - 287 | 11.8 - 12.3 | ≥ 11.0 | ≥12.0 | 33 - 36 |
| 2 | N38 | 1.23 - 1.26 | ≥ 876 | ≥960 | 287 - 310 | 12.3 - 12.6 | ≥ 11.0 | ≥12.0 | 36 - 39 |
| 3 | N40 | 1.26 - 1.29 | ≥ 876 | ≥960 | 302 - 326 | 12.6 - 12.9 | ≥ 11.0 | ≥12.0 | 38 - 41 |
| 4 | N42 | 1.29 - 1.33 | ≥ 876 | ≥960 | 318 - 342 | 12.9 - 13.3 | ≥ 11.0 | ≥12.0 | 40 - 43 |
| 5 | N45 | 1.33 - 1.37 | ≥ 876 | ≥960 | 342 - 366 | 13.3 - 13.7 | ≥ 11.0 | ≥12.0 | 43 - 46 |
| 6 | N48 | 1.37 - 1.41 | ≥ 876 | ≥960 | 358 - 390 | 13.7 - 14.1 | ≥ 11.0 | ≥12.0 | 45 - 49 |
| 7 | N50 | 1.40 - 1.44 | ≥ 876 | ≥960 | 374 - 406 | 14.0 - 14.4 | ≥ 11.0 | ≥12.0 | 47 - 51 |
| 8 | N52 | 1.43 - 1.48 | ≥ 876 | ≥960 | 390 - 422 | 14.3 - 14.8 | ≥ 11.0 | ≥12.0 | 49 - 53 |
| 9 | N54 | 1.47 - 1.50 | ≥ 836 | ≥875 | 406 - 438 | 14.7 - 15.0 | ≥ 10.5 | ≥11.0 | 51 - 55 |
| 10 | N35M | 1.18 - 1.23 | ≥ 892 | ≥1114 | 263 - 287 | 11.8 - 12.3 | ≥ 11.2 | ≥14.0 | 33 - 36 |
| 11 | N38M | 1.23 - 1.26 | ≥ 915 | ≥1114 | 287 - 310 | 12.3 - 12.6 | ≥ 11.5 | ≥14.0 | 36 - 39 |
| 12 | N40M | 1.26 - 1.29 | ≥ 939 | ≥1114 | 302 - 326 | 12.6 - 12.9 | ≥ 11.8 | ≥14.0 | 38 - 41 |
| 13 | N42M | 1.29 - 1.33 | ≥ 955 | ≥1114 | 318 - 342 | 12.9 - 13.3 | ≥ 12.0 | ≥14.0 | 40 - 43 |
| 14 | N45M | 1.33 - 1.37 | ≥ 971 | ≥1114 | 342 - 366 | 13.3 - 13.7 | ≥ 12.2 | ≥14.0 | 43 - 46 |
| 15 | N48M | 1.37 - 1.41 | ≥ 1011 | ≥1114 | 358 - 390 | 13.7 - 14.1 | ≥ 12.7 | ≥14.0 | 45 - 49 |
| 16 | N50M | 1.40 - 1.44 | ≥ 1035 | ≥1114 | 374 - 406 | 14.0 - 14.4 | ≥ 13.0 | ≥14.0 | 47 - 51 |
| 17 | N52M | 1.43 - 1.48 | ≥ 1019 | ≥1114 | 390 - 422 | 14.3 - 14.8 | ≥ 12.8 | ≥14.0 | 49 - 53 |
| 18 | N33H | 1.14 - 1.18 | ≥ 860 | ≥1353 | 247 - 271 | 11.4 - 11.8 | ≥ 10.8 | ≥17.0 | 31 - 34 |
| 19 | N35H | 1.18 - 1.23 | ≥ 876 | ≥1353 | 263 - 287 | 11.8 - 12.3 | ≥ 11.0 | ≥17.0 | 33 - 36 |
| 20 | N38H | 1.23 - 1.26 | ≥ 915 | ≥1353 | 287 - 310 | 12.3 - 12.6 | ≥ 11.5 | ≥17.0 | 36 - 39 |
| 21 | N40H | 1.26 - 1.29 | ≥ 939 | ≥1353 | 302 - 326 | 12.6 - 12.9 | ≥ 11.8 | ≥17.0 | 38 - 41 |
| 22 | N42H | 1.29 - 1.33 | ≥ 995 | ≥1353 | 318 - 342 | 12.9 - 13.3 | ≥ 12.5 | ≥17.0 | 40 - 43 |
| 23 | N45H | 1.33 - 1.37 | ≥ 1011 | ≥1353 | 342 - 366 | 13.3 - 13.7 | ≥ 12.7 | ≥17.0 | 43 - 46 |
| 24 | N48H | 1.37 - 1.41 | ≥ 1019 | ≥1353 | 358 - 390 | 13.7 - 14.1 | ≥ 12.8 | ≥17.0 | 45 - 49 |
| 25 | N50H | 1.40 - 1.44 | ≥ 1035 | ≥1273 | 374 - 406 | 14.0 - 14.4 | ≥ 13.0 | ≥16.0 | 47 - 51 |
| 26 | N30SH | 1.09 - 1.14 | ≥ 820 | ≥1592 | 223 - 247 | 10.9 - 11.4 | ≥ 10.3 | ≥20.0 | 28 - 31 |
| 27 | N33SH | 1.14 - 1.18 | ≥ 852 | ≥1592 | 247 - 271 | 11.4 - 11.8 | ≥ 10.7 | ≥20.0 | 31 - 34 |
| 28 | N35SH | 1.18 - 1.23 | ≥ 884 | ≥1592 | 263 - 287 | 11.8 - 12.3 | ≥ 11.1 | ≥20.0 | 33 - 36 |
| 29 | N38SH | 1.23 - 1.26 | ≥ 923 | ≥1592 | 287 - 310 | 12.3 - 12.6 | ≥ 11.6 | ≥20.0 | 36 - 39 |
| 30 | N40SH | 1.26 - 1.29 | ≥ 955 | ≥1592 | 302 - 326 | 12.6 - 12.9 | ≥ 12.0 | ≥20.0 | 38 - 41 |
| 31 | N42SH | 1.29 - 1.33 | ≥ 955 | ≥1592 | 318 - 342 | 12.9 - 13.3 | ≥ 12.0 | ≥20.0 | 40 - 43 |
| 32 | N45SH | 1.33 - 1.37 | ≥ 987 | ≥1592 | 342 - 366 | 13.3 - 13.7 | ≥ 12.4 | ≥20.0 | 43 - 46 |
| 33 | N48SH | 1.37 - 1.41 | ≥ 1019 | ≥1512 | 358 - 390 | 13.7 - 14.1 | ≥ 12.8 | ≥19.0 | 45 - 49 |
| 34 | N50SH | 1.39 - 1.43 | ≥ 1035 | ≥1512 | 374 - 406 | 13.9 - 14.3 | ≥ 13.0 | ≥19.0 | 47 - 51 |
| 35 | N30UH | 1.09 - 1.14 | ≥ 812 | ≥1990 | 223 - 247 | 10.9 - 11.4 | ≥ 10.2 | ≥25.0 | 28 - 31 |
| 36 | N33UH | 1.14 - 1.18 | ≥ 860 | ≥1990 | 247 - 271 | 11.4 - 11.8 | ≥ 10.8 | ≥25.0 | 31 - 34 |
| 37 | N35UH | 1.18 - 1.23 | ≥ 892 | ≥1990 | 263 - 287 | 11.8 - 12.3 | ≥ 11.2 | ≥25.0 | 33 - 36 |
| 38 | N38UH | 1.23 - 1.26 | ≥ 923 | ≥1990 | 287 - 310 | 12.3 - 12.6 | ≥ 11.6 | ≥25.0 | 36 - 39 |
| 39 | N40UH | 1.26 - 1.29 | ≥ 955 | ≥1990 | 302 - 326 | 12.6 - 12.9 | ≥ 12.0 | ≥25.0 | 38 - 41 |
| 40 | N42UH | 1.29 - 1.33 | ≥ 971 | ≥1990 | 318 - 342 | 12.9 - 13.3 | ≥ 12.2 | ≥25.0 | 40 - 43 |
| 41 | N45UH | 1.33 - 1.36 | ≥ 979 | ≥1910 | 342 - 366 | 13.3 - 13.6 | ≥ 12.3 | ≥24.0 | 43 - 46 |
| 42 | N48UH | 1.37 - 1.41 | ≥ 1019 | ≥1910 | 358 - 390 | 13.7 - 14.1 | ≥ 12.8 | ≥24.0 | 45 - 49 |
| 43 | N50UH | 1.39 - 1.43 | ≥ 1035 | ≥1910 | 374 - 406 | 13.9 - 14.3 | ≥ 13.0 | ≥24.0 | 47 - 51 |
| 44 | N30EH | 1.09 - 1.14 | ≥ 820 | ≥2388 | 223 - 247 | 10.9 - 11.4 | ≥ 10.3 | ≥30.0 | 28 - 31 |
| 45 | N33EH | 1.14 - 1.18 | ≥ 860 | ≥2388 | 247 - 271 | 11.4 - 11.8 | ≥ 10.8 | ≥30.0 | 31 - 34 |
| 46 | N35EH | 1.18 - 1.22 | ≥ 884 | ≥2388 | 263 - 287 | 11.8 - 12.2 | ≥ 11.1 | ≥30.0 | 33 - 36 |
| 47 | N38EH | 1.22 - 1.26 | ≥ 923 | ≥2388 | 287 - 310 | 12.2 - 12.6 | ≥ 11.6 | ≥30.0 | 36 - 39 |
| 48 | N40EH | 1.25 - 1.29 | ≥ 947 | ≥2388 | 302 - 326 | 12.5 - 12.9 | ≥ 11.9 | ≥30.0 | 38 - 41 |
| 49 | N42EH | 1.28 - 1.33 | ≥ 971 | ≥2308 | 310 - 342 | 12.8 - 13.3 | ≥ 12.2 | ≥29.0 | 39 - 43 |
| 50 | N28TH | 1.05 - 1.10 | ≥ 780 | ≥2786 | 207 - 231 | 10.5 - 11.0 | ≥ 9.8 | ≥35.0 | 26 - 29 |
| 51 | N30TH | 1.08 - 1.14 | ≥ 804 | ≥2786 | 223 - 247 | 10.8 - 11.4 | ≥ 10.1 | ≥35.0 | 28 - 31 |
| 52 | N33TH | 1.14 - 1.18 | ≥ 812 | ≥2786 | 247 - 271 | 11.4 - 11.8 | ≥ 10.2 | ≥35.0 | 31 - 34 |

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| | | 残留磁束密度 Br | 保磁石 Hcb | 保磁力 Hcj | 最大エネルギー積 (BH)max | 残留磁束密度 Br | 保磁石 cb H | 保磁力 Hcj | 最大エネルギー積 (BH)max |
| NO. | Normal NdFeB | T | kA/m | kA/m | kJ/m ³ | kGs | kOe | kOe | MGOe |
| | 材質グレード | min. - max. | min. | min. | min.-max. | min. - max. | min. | min. | min.-max. |
| 53 | N35TH | 1.18 - 1.22 | ≥ 844 | ≥2786 | 263 - 287 | 11.8 - 12.2 | ≥ 10.6 | ≥35.0 | 33 - 36 |
| 54 | N38TH | 1.22 - 1.26 | ≥ 923 | ≥2627 | 279 - 310 | 12.2 - 12.6 | ≥ 11.6 | ≥33.0 | 35 - 39 |

NdFeB T-Series magnetic Properties

| | | | | | | | | | |
|----|---------|-------------|--------|-------|-----------|-------------|--------|-------|---------|
| 55 | N35SH-T | 1.18 - 1.23 | ≥ 884 | ≥1831 | 263 - 287 | 11.8 - 12.3 | ≥ 11.1 | ≥23.0 | 33 - 36 |
| 56 | N38SH-T | 1.23 - 1.26 | ≥ 923 | ≥1831 | 287 - 303 | 12.3 - 12.6 | ≥ 11.6 | ≥23.0 | 36 - 39 |
| 57 | N40SH-T | 1.26 - 1.29 | ≥ 955 | ≥1831 | 303 - 318 | 12.6 - 12.9 | ≥ 12.0 | ≥23.0 | 38 - 41 |
| 58 | N42SH-T | 1.29 - 1.33 | ≥ 955 | ≥1831 | 318 - 342 | 12.9 - 13.3 | ≥ 12.0 | ≥23.0 | 40 - 43 |
| 59 | N45SH-T | 1.33 - 1.37 | ≥ 987 | ≥1831 | 334 - 366 | 13.3 - 13.7 | ≥ 12.4 | ≥23.0 | 42 - 46 |
| 60 | N48SH-T | 1.37 - 1.41 | ≥ 1019 | ≥1592 | 358 - 390 | 13.7 - 14.1 | ≥ 12.8 | ≥20.0 | 45 - 49 |
| 61 | N50SH-T | 1.39 - 1.43 | ≥ 1035 | ≥1592 | 374 - 406 | 13.9 - 14.3 | ≥ 13.0 | ≥20.0 | 47 - 51 |
| 62 | N30UH-T | 1.09 - 1.14 | ≥ 812 | ≥2149 | 223 - 247 | 10.9 - 11.4 | ≥ 10.2 | ≥27.0 | 28 - 31 |
| 63 | N33UH-T | 1.14 - 1.18 | ≥ 860 | ≥2149 | 247 - 271 | 11.4 - 11.8 | ≥ 10.8 | ≥27.0 | 31 - 34 |
| 64 | N35UH-T | 1.18 - 1.23 | ≥ 892 | ≥2149 | 263 - 287 | 11.8 - 12.3 | ≥ 11.2 | ≥27.0 | 33 - 36 |
| 65 | N38UH-T | 1.23 - 1.26 | ≥ 923 | ≥2149 | 287 - 310 | 12.3 - 12.6 | ≥ 11.6 | ≥27.0 | 36 - 39 |
| 66 | N40UH-T | 1.26 - 1.29 | ≥ 955 | ≥2149 | 302 - 326 | 12.6 - 12.9 | ≥ 12.0 | ≥27.0 | 38 - 41 |
| 67 | N42UH-T | 1.29 - 1.32 | ≥ 971 | ≥2149 | 310 - 342 | 12.9 - 13.2 | ≥ 12.2 | ≥27.0 | 39 - 43 |
| 68 | N45UH-T | 1.33 - 1.36 | ≥ 979 | ≥1990 | 342 - 366 | 13.3 - 13.6 | ≥ 12.3 | ≥25.0 | 43 - 46 |

Remark. For other grades and custom-made grades, please contact our Sales Department.