

烧结钕铁硼性能表

Magnetic Properties Of Sintered NdFeB Magnet

N系列牌号性能参数 Magnetic properties of N series

| 序号 NO. | 牌号 性能 Grade | Remanence Br mT(KG) 剩磁感应强度 | Coercivity bHc KA/m(KOe) 矫顽力 | Intrinsic Coercivity iHc KA/m(KOe) 内禀矫顽力 | Maximum Energy Product (BH)maxKJ/m3 (MGOe)最大磁能积 | Tw.°C 最高工作 温度 |
|-----------|-------------------|----------------------------------|------------------------------------|---|--|---------------------|
| 1 | N35 | 1170-1220(11.7-12.2) | ≥868 (≥10.9) | ≥955 (≥12) | 263-287(33-36) | 80°C |
| 2 | N38 | 1220-1250(12.2-12.5) | ≥899 (≥11.3) | ≥955 (≥12) | 287-310(36-39) | 80°C |
| 3 | N40 | 1250-1280(12.5-12.8) | ≥907 (≥11.4) | ≥955 (≥12) | 302-326(38-41) | 80°C |
| 4 | N42 | 1280-1320(12.8-13.2) | ≥915 (≥11.5) | ≥955 (≥12) | 318-342(40-43) | 80°C |
| 5 | N45 | 1320-1380(13.2-13.8) | ≥923 (≥11.6) | ≥955 (≥12) | 342-366(43-46) | 80°C |
| 6 | N48 | 1380-1420(13.8-14.2) | ≥923 (≥11.6) | ≥955 (≥12) | 366-390(46-49) | 80°C |
| 7 | N50 | 1400-1450(14.0-14.5) | ≥796 (≥10.0) | ≥876 (≥11) | 382-406(48-51) | 60°C |
| 8 | N52 | 1430-1480(14.3-14.8) | ≥796 (≥10.0) | ≥876 (≥11) | 398-422(50-53) | 60°C |
| 9 | N55 | 1470-1520(14.7-15.2) | ≥796 (≥10.0) | ≥876 (≥11) | 414-438(52-56) | 60°C |

M系列牌号性能参数 Magnetic properties of M series

| 序号 NO. | 牌号 性能 | Remanence Br mT(KG) 剩磁感应强度 | Coercivity bHc KA/m(KOe) 矫顽力 | Intrinsic Coercivity iHc KA/m(KOe) 内禀矫顽力 | Maximum Energy Product (BH)maxKJ/m3 (MGOe)最大磁能积 | Tw.°C 最高工作 温度 |
|-----------|----------|----------------------------------|------------------------------------|---|--|---------------------|
| 1 | N35M | 1170-1220(11.7-12.2) | ≥868 (≥10.9) | ≥1114 (≥14) | 263-287(33-36) | 100°C |
| 2 | N38M | 1220-1250(12.2-12.5) | ≥899 (≥11.3) | ≥1114 (≥14) | 287-310(36-39) | 100°C |
| 3 | N40M | 1250-1280(12.5-12.8) | ≥923 (≥11.6) | ≥1114 (≥14) | 302-326(38-40) | 100°C |
| 4 | N42M | 1280-1320(12.8-13.2) | ≥955 (≥12.0) | ≥1114 (≥14) | 318-342(40-43) | 100°C |
| 5 | N45M | 1320-1380(13.2-13.8) | ≥955 (≥12.5) | ≥1114 (≥14) | 342-366(43-46) | 100°C |
| 6 | N48M | 1360-1430(13.6-14.3) | ≥1027 (≥12.9) | ≥1114 (≥14) | 366-390(46-49) | 100°C |
| 7 | N50M | 1400-1450(14.0-14.5) | ≥1033 (≥13.0) | ≥1114 (≥14) | 382-406(48-51) | 100°C |
| 8 | N52M | 1430-1480(14.3-14.8) | ≥1033 (≥13.0) | ≥1114 (≥14) | 398-414(50-52) | 100°C |

H系列牌号性能参数 Magnetic properties of H series

| 序号 NO. | 牌号 性能 | Remanence Br mT(KG) 剩磁感应强度 | Coercivity bHc KA/m(KOe) 矫顽力 | Intrinsic Coercivity iHc KA/m(KOe) 内禀矫顽力 | Maximum Energy Product (BH)maxKJ/m3 (MGOe)最大磁能积 | Tw.°C 最高工作 温度 |
|-----------|----------|----------------------------------|------------------------------------|---|--|---------------------|
| 1 | N33H | 1130-1170(11.3-11.7) | ≥844 (≥10.6) | ≥1353 (≥17) | 263-287(31-34) | 120°C |
| 2 | N35H | 1170-1220(11.7-12.2) | ≥868 (≥10.9) | ≥1353 (≥17) | 263-287(33-36) | 120°C |
| 3 | N38H | 1220-1250(12.2-12.5) | ≥899 (≥11.3) | ≥1353 (≥17) | 287-310(36-39) | 120°C |
| 4 | N40H | 1250-1280(12.5-12.8) | ≥923 (≥11.6) | ≥1353 (≥17) | 302-326(38-41) | 120°C |
| 5 | N42H | 1280-1320(12.8-13.2) | ≥955 (≥12.0) | ≥1353 (≥17) | 318-342(40-43) | 120°C |
| 6 | N45H | 1300-1360(13.0-13.6) | ≥963 (≥12.1) | ≥1353 (≥17) | 326-358(43-46) | 120°C |
| 7 | N48H | 1370-1430(13.7-14.3) | ≥955 (≥12.5) | ≥1353 (≥17) | 366-390(46-49) | 120°C |
| 8 | N50H | 1400-1450(14.0-14.5) | ≥955 (≥12.5) | ≥1353 (≥17) | 382-406(48-51) | 120°C |

SH系列牌号性能参数 Magnetic properties of SH series

| 序号 NO. | 牌号 性能 | Remanence Br mT(KG) 剩磁感应强度 | Coercivity bHc KA/m(KOe) 矫顽力 | Intrinsic Coercivity iHc KA/m(KOe) 内禀矫顽力 | Maximum Energy Product (BH)maxKJ/m3 (MGOe)最大磁能积 | Tw.°C 最高工作 温度 |
|--------|-------|----------------------------------|------------------------------------|---|--|---------------------|
| 1 | N30SH | 1080-1130(10.8-11.3) | ≥804 (≥10.1) | ≥1592 (≥20) | 233-247(28-31) | 150°C |
| 2 | N33SH | 1130-1170(11.3-11.7) | ≥844 (≥10.6) | ≥1592 (≥20) | 247-271(31-34) | 150°C |
| 3 | N35SH | 1170-1220(11.7-12.2) | ≥876 (≥11.0) | ≥1592 (≥20) | 263-287(33-36) | 150°C |
| 4 | N38SH | 1220-1250(12.2-12.5) | ≥907 (≥11.4) | ≥1592 (≥20) | 287-310(36-39) | 150°C |
| 5 | N40SH | 1240-1280(12.5-12.8) | ≥939 (≥11.8) | ≥1592 (≥20) | 302-326(38-41) | 150°C |
| 6 | N42SH | 1280-1320(12.8-13.2) | ≥987 (≥12.4) | ≥1592 (≥20) | 318-342(40-43) | 150°C |
| 7 | N45SH | 1320-1380(13.2-13.8) | ≥1003 (≥12.6) | ≥1592 (≥20) | 342-366(43-46) | 150°C |
| 8 | N48SH | 1370-1430(13.7-14.3) | ≥1003 (≥12.6) | ≥1592 (≥20) | 366-390(46-49) | 150°C |

UH系列牌号性能参数 Magnetic properties of UH series

| 序号 NO. | 牌号 性能 | Remanence Br mT(KG) 剩磁感应强度 | Coercivity bHc KA/m(KOe) 矫顽力 | Intrinsic Coercivity iHc KA/m(KOe) 内禀矫顽力 | Maximum Energy Product (BH)maxKJ/m3 (MGOe)最大磁能积 | Tw.°C 最高工作 温度 |
|--------|-------|----------------------------------|------------------------------------|---|--|---------------------|
| 1 | N30UH | 1080-1130(10.8-11.3) | ≥812 (≥10.2) | ≥1990 (≥25) | 223-247(28-31) | 180°C |
| 2 | N33UH | 1130-1170(11.3-11.7) | ≥852 (≥10.7) | ≥1990 (≥25) | 247-271(31-34) | 180°C |
| 3 | N35UH | 1180-1220(11.8-12.2) | ≥860 (≥10.8) | ≥1990 (≥25) | 263-287(33-36) | 180°C |
| 4 | N38UH | 1220-1250(12.2-12.5) | ≥876 (≥11.0) | ≥1990 (≥25) | 287-310(36-39) | 180°C |
| 5 | N40UH | 1240-1280(12.4-12.8) | ≥899 (≥11.3) | ≥1990 (≥25) | 302-326(38-41) | 180°C |
| 6 | N42UH | 1280-1320(12.8-13.2) | ≥899 (≥11.3) | ≥1990 (≥25) | 318-342(40-43) | 180°C |
| 7 | N45UH | 1320-1380(13.2-13.8) | ≥899 (≥11.3) | ≥1990 (≥25) | 334-358(42-45) | 180°C |

EH系列牌号性能参数 Magnetic properties of EH series

| 序号 NO. | 牌号 性能 | Remanence Br mT(KG) 剩磁感应强度 | Coercivity bHc KA/m(KOe) 矫顽力 | Intrinsic Coercivity iHc KA/m(KOe) 内禀矫顽力 | Maximum Energy Product (BH)maxKJ/m3 (MGOe)最大磁能积 | Tw.°C 最高工作 温度 |
|--------|-------|----------------------------------|------------------------------------|---|--|---------------------|
| 1 | N28EH | 1040-1090(10.4-10.9) | ≥780 (≥9.8) | ≥2388 (≥30) | 207-231(26-29) | 200°C |
| 2 | N30EH | 1080-1130(10.8-11.3) | ≥812 (≥10.2) | ≥2388 (≥30) | 223-247(28-31) | 200°C |
| 3 | N33EH | 1130-1170(11.3-11.7) | ≥836 (≥10.5) | ≥2388 (≥30) | 247-271(31-34) | 200°C |
| 4 | N35EH | 1170-1220(11.7-12.2) | ≥876 (≥11.0) | ≥2388 (≥30) | 263-287(33-36) | 200°C |
| 5 | N38EH | 1220-1250(12.2-12.5) | ≥899 (≥11.3) | ≥2388 (≥30) | 287-310(36-39) | 200°C |
| 6 | N40EH | 1240-1280(12.4-12.8) | ≥939 (≥11.6) | ≥2388 (≥30) | 302-326(38-41) | 200°C |
| 7 | N42EH | 1280-1320(12.8-13.2) | ≥939 (≥11.6) | ≥2388 (≥30) | 320-340(38-41) | 200°C |

AH系列牌号性能参数 Magnetic properties of AH series

| 序号 NO. | 牌号 性能 | Remanence Br mT(KG) 剩磁感应强度 | Coercivity bHc KA/m(KOe) 矫顽力 | Intrinsic Coercivity iHc KA/m(KOe) 内禀矫顽力 | Maximum Energy Product (BH)maxKJ/m3 (MGOe)最大磁能积 | Tw.°C 最高工作 温度 |
|--------|-------|----------------------------------|------------------------------------|---|--|---------------------|
| 1 | N30AH | 1020-1080(10.2-10.8) | ≥804 (≥10.1) | ≥2786 (≥35) | 223-239(28-30) | 220°C |
| 2 | N33AH | 1140-1170(11.4-11.7) | ≥844 (≥10.6) | ≥2786 (≥35) | 247-263(31-33) | 220°C |
| 3 | N35AH | 1170-1210(11.7-12.1) | ≥876 (≥10.9) | ≥2786 (≥35) | 263-279(33-36) | 220°C |
| 4 | N38AH | 1220-1250(12.2-12.5) | ≥876 (≥10.9) | ≥2706 (≥34) | 279-310(36-39) | 220°C |