

Ndfeb Magnet(Bonded)

Produced by composition of rare-earth NdFeB magnetic powders embedded in thermoplastic and formed by injection moulding machining

Hard, Non-brittle light weight; plastic-like magnet, able to be moulded to varieties of shapes e.g. thin ring, gears, arc-segments etc.; able to incorporate with shafts during manufacturing. The magnets can be made in different shapes, some of which are rather complicated.

Excellent resistance to demagnetization

Good temperature stability

Good resistance to corrosion and chips

Key application:

- Magnetic separators
- Microphone assemblies
- Servo motors
- DC motors (automotive starters) and other motors
- Meters
- Odometer
- Sensor



products name: Ndfeb Magnet bonded

Model No: Ndfeb Magnet bonded

[Related Keywords:] [Ndfeb Magnet bonded](#) [China Magnets](#)

压制成型 NdFeB Compression molding NdFeB

Grade	BNP-6	BNP-8L	BNP-8	BNP-8SR	BNP-8H	BNP-9	BNP-10	BNP-11	BNP-11L	BNP-12L
剩磁 BrT(Gs)	0.55-0.62	0.60-0.64	0.62-0.69	0.62-0.66	0.61-0.65	0.65-0.70	0.68-0.72	0.70-0.74	0.70-0.74	0.74-0.80
矫顽力 Hcb kA/m(kOe)	285-370 (3.6-4.6)	360-400 (4.5-5.0)	385-445 (4.8-5.6)	410-465 (5.2-5.8)	410-455 (5.2-5.7)	400-440 (5.0-5.5)	420-470 (5.3-5.9)	445-480 (5.6-6.0)	400-440 (5.0-5.5)	420-455 (5.3-5.7)
内禀矫顽力 Hcj kA/m(kOe)	600-755 (7.5-9.5)	715-800 (9-10)	640-800 (8-10)	880-1120 (11-14)	1190-1440 (15-18)	640-800 (8-10)	640-800 (8-10)	680-800 (8.5-10)	520-640 (6.5-8)	520-600 (6.5-7.5)

磁能积(BH) maxkJ/m ³ (MGOe)	44-56 (5.5-7)	56-64 (7.0-8.0)	64-72 (8.0-9.0)	64-72 (8.0-9.0)	64-72 (8.0-9.0)	70-76 (8.8-9.5)	76-84 (9.5-10.5)	80-88 (10.0-11.0)	78-84 (9.8-10.5)	84-92 (10.5-11.5)
密度 D g/cm ³	5.5-6.1	5.6-6.1	5.8-6.1	5.8-6.1	5.9-6.2	5.8-6.1	5.8-6.1	5.8-6.1	5.8-6.1	5.8-6.1
可逆磁导率 μ_r	1.15	1.15	1.15	1.13	1.15	1.22	1.22	1.22	1.26	1.26
可逆温度系数 $\alpha(\text{Br}) \text{ \%}/^\circ\text{C}$	-0.13	-0.13	-0.13	-0.13	-0.07	-0.12	-0.11	-0.11	-0.11	-0.08
最高工作温度 $T_w^\circ\text{C}$	100	110	120	150	125	120	120	120	110	110

- 1.The characteristics in this table are measured on United magnet's standard test samples and not guaranteed values
2. The above values depend on magnet shape and its dimensions. It is recommended that the figures be certified in actual products.

Technical data of sintered NdFeB Magnet

Grade	BNI-3	BNI-4	BNI-5	BNI-6	BNI-6H	BNP-7	BNP-5SR(PPS)
剩磁 BrT(Gs)	0.2-0.4	0.40-0.44	0.45-0.51	0.51-0.56	0.48-0.56	0.54-0.64	0.45-0.50
矫顽力 H _{cb} kA/m(kOe)	120-240 (1.5-3.0)	250-335 (3.1-4.2)	280-360 (3.5-4.5)	295-375 (3.7-4.7)	335-400 (4.2-5.0)	320-400 (4.0-5.0)	300-360 (3.8-4.5)
内禀矫顽力 H _{cj} kA/m(kOe)	480-640 (6.0-8.0)	575-735 (7.2-9.2)	640-800 (8-10)	640-800 (8-10)	1035-1355 (13-17)	640-800 (8-10)	875-1115 (11-14)
磁能积(BH) maxkJ/m ³ (MGOe)	8-24 (1.0-3.0)	28-36 (3.4-4.5)	37-44 (4.6-5.5)	44-52 (5.5-6.5)	40-52 (5.0-6.5)	51-59 (6.5-7.5)	36-44 (4.5-5.5)
密度 D g/cm ³	5.5-6.1	5.6-6.1	5.8-6.1	5.8-6.1	5.9-6.2	5.8-6.1	5.8-6.1
可逆磁导率 μ_r	1.2	1.2	1.2	1.13	1.13	1.13	1.13
可逆温度系数 $\alpha(\text{Br}) \text{ \%}/^\circ\text{C}$	-0.15	-0.13	-0.13	-0.11	-0.15	-0.11	-0.13
最高工作温度 $T_w^\circ\text{C}$	100	110	120	120	130	120	150

1. The characteristics in this table are measured on United magnet's standard test samples and not guaranteed values
2. above values depend on magnet shape and its dimensions. It is recommended that the figures be certified in actual products.

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