

DINGFENG
MAGNETS

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顶峰磁材 塑造未来

DINGFENG MAGNETS
SHAPING THE FUTURE

东阳市顶峰磁材有限公司
DONGYANG DINGFENG MAGNETIC CO., LTD.





DINGFENG MAGNETS SHAPING THE FUTURE

顶峰磁材 塑造未来

COMPANY PROFILE

顶峰磁材 企业简介

东阳市顶峰磁材有限公司创建于**2000年3月**，坐落于“中国磁都”和“东方好莱坞”之称的横店镇，是一家专业从事永磁材料的研究、开发、生产，经营为一体的高新技术企业，是东阳市磁性材料重点企业之一。现主要生产销售的产品有烧结钕铁硼与永磁铁氧体等材料。公司下辖横店工业园区顶峰磁材有限公司（专业从事钕铁硼的研究、开发、生产、经营）与湖溪工业园区顶峰磁材有限公司（专业从事铁氧体的研究、开发、生产、经营）。

公司钕铁硼厂区占地面积**20000**平方米，拥有高素质员工**150**多人，大专以上学历占**12%**以上，年产钕铁硼**1500**多吨。

公司铁氧体厂区占地面积**18000**平方米。拥有高素质员工**300**多人，大专以上学历占**10%**以上，年产铁氧体**9000**多吨。

公司于**2003**年通过了**ISO9001**质量管理体系认证，**2018**年通过**IATF16949**质量体系认证。公司拥有一套先进的生产设备与先进的检测仪器。产品远销美国、东南亚、欧洲等国家和地区。产品广泛应用于通讯、永磁电机、航空航天、汽车、医疗器械、办公自动化等各种领域，具有广阔的市场和潜在发展前景。公司始终坚持以“专业、负责、高效、创新”的工作作风和“诚信共赢”的经营理念，热忱欢迎国内外新老客户前来精诚合作，共创辉煌。

DINGFENG MAGNETS SHAPING THE FUTURE



DongYang Dingfeng Magnetic Material Co.,Ltd. was established in March, 2003 and located in Hengdian Town which is known as “China Magnet Capital” and “Oriental Hollywood”, it is the hi-tech enterprise which works on the magnetic materials with the integration of research, development, production and operation, and is one of the Dongyang magnetic material key enterprises. Its main products contain the sintering NdFeB and permanent magnetic ferrite and so on. Hengdian Industrial Park Dingfeng Magnetic Material Co.,Ltd. (which specializes in research, development, production and operation on NdFeB) and Huxi Industrial Park Dingfeng Magnetic Material Co.,Ltd. (which specializes in research, development, production and operation on ferrite) are under the jurisdiction of the company.

The NdFeB factory occupies 20,000m² of area with more than 150 high-quality employees, including above 12% employees with college degree or above, the annual output of NdFeB is more than 1500 tons.

The ferrite factory occupies 18,000m² of area with more than 300 high-quality employees, including above 10% employees with college degree or above, the annual output of ferrite is more than 9000 tons.

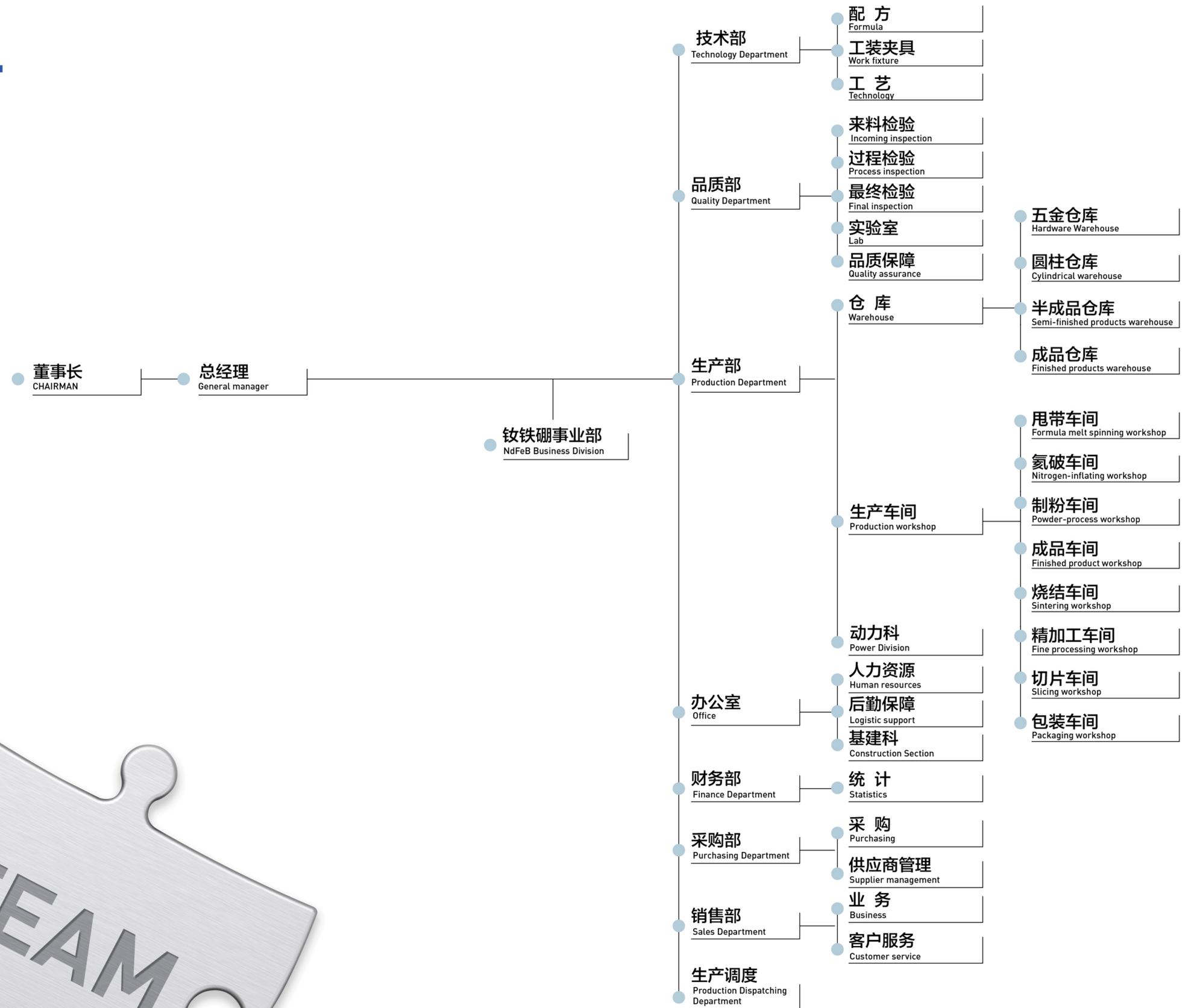
The company passed ISO9001 quality management system certification in 2003, IATF16949 quality management system certification in 2018. It has a set of advanced production equipment and advanced detecting instrument. The products are sold to America, Southeast Asia, Europe, etc., which are widely applied in all kinds of fields, like communication, permanent magnet motor, aerospace, automobile, medical apparatus and instruments, office automation with broad market and potential development prospect. It always insists on the “professional, responsible, efficient and innovative” work style and “credible and win-win” operation philosophy, warmly welcome old and new customers from home and abroad to cooperate sincerely and create resplendence together.

ORGANIZATIONAL STRUCTURE

组织架构

高效率,协作化的组织结构体系,以强化管理为基础,以市场需求为导向,寻求资源的最佳组合,使顶峰的组织不断健康成长,充满活力和生机。以团队的精神提高企业凝聚力,以科学的运营提高组织效率,以人性化管理提升企业竞争力。

The high-efficient and collaborative organizational structure that is on the basis of management strengthening and market demand-oriented, has always seeking the optimal combination of resources which enables the Dingfeng organizations to continue to keep the healthy growth, dynamism and vitality. Increase cohesion in enterprise from the team spirit, improve organizational efficiency through scientific operations, and enhance the competitiveness of enterprises through humanized management.



DINGFENG MAGNETS SHAPING THE FUTURE

努力造就实力 态度决定高度

CORPORATE CULTURE

企业文化

最低的生产成本，更高的产品质量，为客户利益而努力创新

Strive to innovate for the benefit of customers with the lowest production cost and higher product quality.

企业使命
OUR MISSION

团结务实，开拓创新。全心全力，共创顶峰。

Unity and pragmatic, pioneering and innovative. Strive wholeheartedly and make top achievements.

企业理念
ENTERPRISE
PHILOSOPHY

成就客户、专业加工、诚信正直、多元共赢。

Achieve customers, professional processing, integrity and multiple win-win situation.

企业核心价值观
CORE VALUES OF
THE COMPANY

企业宗旨
ENTERPRISE
PURPOSES

追求卓越质量，诚信服务客户

Pursue excellent quality and serve customers with integrity.

环境方针
ENVIRONMENTAL
POLICY

关爱环保、绿色空间、清洁生产、和谐环境。

Caring for environmental protection, green space, clean production and harmonious environment.

质量方针
QUALITY POLICY

质量为杠杆，信誉做支点，开拓新市场。

Quality is the lever, reputation is the fulcrum, Open up new markets.

ENTERPRISE HONOR AND PATENT

企业荣誉与专利

荣誉是肯定，是信任。更是企业生命延续的动力。

顶峰从改革开放的大潮中形微而出，一路走来，川吕自己的勤勉与创新。不断创造出一个个骄人的业绩，得士会的普润认可。

Honor is affliation, is trust, it is the drrveng force to keep the company moving forward. Dingfeng stands out in ten the tide of tide of opening up and reform Along the way, with its diligence and innovation, it constaidy does imprssive performance. receiving wide recognize from society.



DINGFENG MAGNETS



R & D TECHNOLOGY

研发技术

顶峰经过二十余年的技术积累与沉淀为行业内提高性能，降低成本贡献了力量，多年的市场研发、销售在国内外市场占有一席之地

DingFeng after more than 20 years of technology accumulation and precipitation for the industry to improve performance, Cost reduction contributed to the strength of many years of market research and development, sales at home and abroad The market has a place

DINGFENG
MAGNETS



ATM4永磁性能测试仪
ATM4 permanent magnet performance tester



环境测试仪
Environmental tester



3471cp成份分析仪
3471cp component analyzer

TESTING CENTRE

顶峰磁材 检测中心



338碳硫分析仪
338 carbon sulfur analyzer



814氧氢分析仪
814 oxygen hydrogen analyzer



激光粒度仪
Laser particle analyzer



盐雾试验机
Salt spray test machine



XRF光谱仪
XRF spectrometer

PRODUCTION PROCESS

生产工艺流程

<p>配料 Formula</p>	<p>熔炼 Melting</p>	<p>氢破 Broken hydrogn</p>	<p>混料 Mixing</p>	<p>制粉 Milling</p>	<p>成型 Forming</p>
					
<p>等静 Isoperessing</p>	<p>烧结 Sinter</p>	<p>无芯磨 Coreless grinding</p>	<p>切片 Section</p>	<p>线切割 Wire cutting</p>	<p>电镀 Electroplate</p>
					
<p>自动分选 Broken hydrogn</p>	<p>包装 Packing</p>	<p>成品 Finished product</p>			
					

尺寸公差 Dimensional Tolerance

顶峰磁材拥有国内先进的加工设备，具有较强的加工能力。可加工方块产品、瓦型产品、圆柱产品、圆环产品等各类复杂、精、大产品，加工的一致性较好。Dingfeng Magnetics owns advanced equipments and has a good ability on machining. The Square shaped, segment-shaped, cylinder-shaped and ring-shaped products can be well made.

方形产品

Square shaped products



单位Company: mm

尺寸范围 Dimensional Range	尺寸公差 Dimensional Tolerance	平行线 Parallelism	垂直度 Perpendicularity
L≤10	±0.04	0.04	< 0.5°
10<L≤25	±0.04	0.04	
25<L≤60	±0.05	0.1	
L>60	±0.06	0.1	

圆形产品

Wafer-shaped Products



单位Company: mm

尺寸范围 Dimensional Range	尺寸公差 Dimensional Tolerance	平行线 Parallelism	平面度 Planeness
D≤10	±0.03	0.03	0.03
10<D≤25	±0.03	0.03	0.04
25<D≤60	±0.04	0.04	0.1
D>60	±0.05	0.05	0.1

圆环产品

Ring-shaped Products



单位Company: mm

尺寸范围 Dimensional Range	尺寸公差 Dimensional Tolerance	平面度 Planeness
D≤3	±0.04	0.06
3<D≤6	±0.05	0.06
6<D≤25	±0.05	0.1
D≤25	±0.1	0.1
T≤1	±0.04	
1<T≤3	±0.04	
T>3	±0.05	

瓦形产品

Segment-shaped Products



单位Company: mm

形位 Geometric Tolerance	尺寸范围 Dimensional Range	尺寸公差 Dimensional Tolerance
壁厚 Wall thickness	T≤10	±0.04
	10<T≤25	±0.04
	L≤10	±0.04
长度 Length	10<L≤25	±0.04
	25<L≤60	±0.04
	L>60	±0.06
弧面方向宽度 Chord length	W≤10	±0.05
	W>60	±0.05

表面防护 Surface Treatment

在做好高性能磁材的基础上，积极研发表面防护技术，不断提高表面防护水平，可以为用户提供高质量的镀锌、镀锡、镀、镍、电泳等产品，产品的耐盐雾、耐湿热性能极佳，可以保证磁体满足恶劣环境条件下的使用要求。产品在生产过程中注重做好环境保护，所有涂、镀层均符合ROHS标准要求。

Based on the production of high property magnetic material, Dingfeng actively researches and upgrades the techniques of superficial protection. We provide our customer high qualified Zink coating, Tin coating, Nickel coating, electrophoresis, etc. They have excellent performance in the SST test to against humidity and temperature, which guarantee its application in harsh environment. During the production process, environmental protection is highlighted, and all the coating and plating confirm to ROHS standard.

形位 Serial Number	镀层类型 Type of Coating	镀层厚度 Coating Thickness	镀层颜色 Coating Color	PCT(小时) PCT (Hour)	盐雾试验(小时) SST(Hour)
1	锌Zink	三价铬白锌 Zn.L	蓝白色 Blue & White	/	24
		三价铬彩锌 Zn.C	淡五彩 Multi-Colored	/	48
2	镍Nickel	镍铜镍 NiCuNi	亮银色 Bright Silver	48	48
		化学镍 Ni+AP.Ni	暗银色 Dark Silver	48	72
3	镍+锡 NiSn	5~20μm	银白色 Silver	96	72
4	镍+银 NiAg	5~20μm	银白色 Silver	96	72
5	镍+金 NiAu	5~20μm	金色 Golden	96	72
6	电泳 Electrophoresis	20~30μm	黑、灰色 Black, gray	/	> 240

烧结钕铁硼产品 Sintered NdFeB Magnets

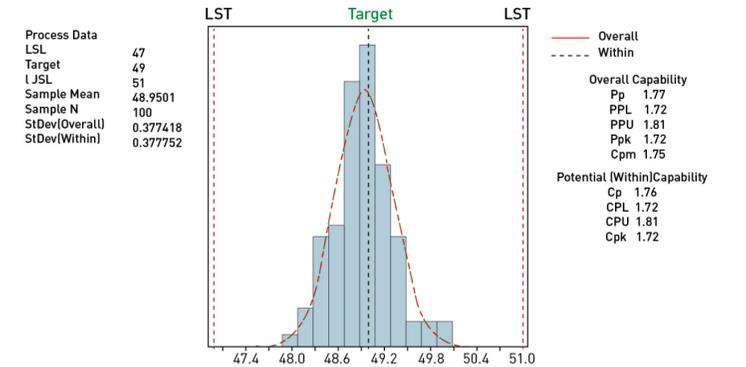
烧结钕铁硼是当代磁性最强的永磁体，它不仅具有高剩磁、高矫顽力、高磁能积、高性能价格比等优异特性，而且容易加工成各种尺寸，特别适用于研制高性能、小型化、轻型化的各种换代产品。

The Sintered NdFeB Magnet is the most powerful permanent magnet in modern times. It is not only has excellent properties such as high remanence, high coercive, high magnetic energy product, high performance price ratio and so on, but also is development of high-performance, miniaturized and lightweight replacement products.

高一致性 High consistency

产品供货单批的一致性和批次间的连续稳定性，为客户的生产和品质提供有力的保障。如(BH)max的致性达到6σ (Cpk1.67以上)。

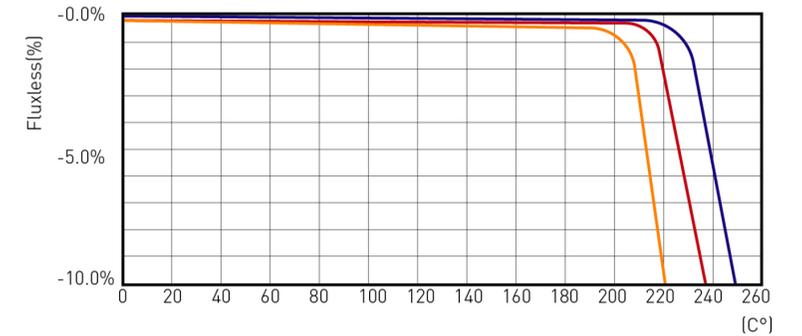
The consistency and stability of products between each orders, provides safeguard to our customers. For example, the consistency of (BH)max reaches 6σ (Cpk1.67 or above).



高工作温度 High Working Temperature

为了提高产品的工作温度顶峰磁材投入大量的精力，通过先进的工艺和配方设计，实现了同等牌号更高的热稳定性和更低的热退磁，开发出了工作温度可达220℃TH系列产品。

In order to raise working temperature of our products, Dingfeng Magnetics works hard to realize better high thermal stability and low thermal demagnetization, developed the series VH series products which can work at temperature higher than 220C.



性能参数

牌号 Grade	剩磁 (最小值) Remanence (Min)		磁感矫顽力(最小值) Magnetic Induction Coercivity (Min)		内禀矫顽力(最小值) Intrinsic Coercivity (Min)		最大磁能积(范围) Max Magnetic energy Product (Range)		最高工作 温度 ≤ Maximum Working Temperature C°
	BR		Hcb		Hcj		(BH) max		
	KGs	T	KGe	KA/m	KOe	KA/m	MGOe	KJ/m ³	
N54	14.5	1.45	10.5	836	11	875	51~55	406~438	80
N52	14.2	1.42	10.5	836	12	960	49~53	390~422	80
N50	13.9	1.39	10.5	836	12	960	47~51	374~406	80
N48	13.7	1.37	10.5	836	12	960	45~49	358~390	80
N45	13.3	1.33	10.8	860	12	960	43~46	342~366	80
N42	12.9	1.29	10.8	860	12	960	40~43	318~342	80
N40	12.6	1.26	10.8	860	12	960	38~41	302~326	80
N38	12.3	1.23	10.8	860	12	960	36~39	287~310	80
N35	11.8	1.18	10.8	860	12	960	33~36	263~287	80
N52M	14.2	1.42	12.5	995	13	1035	49~53	390~422	100
N50M	13.9	1.39	13.0	1035	14	1114	47~51	374~406	100
N48M	13.7	1.37	12.7	1012	14	1114	45~49	358~390	100
N45M	13.3	1.33	12.2	971	14	1114	43~46	342~366	100
N42M	12.9	1.29	11.8	938	14	1114	40~43	318~342	100
N40M	12.6	1.26	11.4	910	14	1114	38~41	302~326	100
N38M	12.3	1.23	11.0	876	14	1114	36~39	287~310	100
N35M	11.8	1.18	10.8	860	14	1114	33~36	263~287	100
N50H	13.9	1.39	13.0	1035	16	1274	47~51	374~406	120
N48H	13.7	1.37	12.8	1000	16	1274	45~49	358~390	120
N45H	13.3	1.33	12.5	995	17	1353	43~46	342~366	120
N42H	12.9	1.29	12.0	957	17	1353	40~43	318~342	120
N40H	12.6	1.26	11.7	930	17	1353	38~41	302~326	120
N38H	12.3	1.23	11.4	910	17	1353	36~39	287~310	120
N35H	11.8	1.18	11.0	876	17	1353	33~36	263~287	120
N33H	11.4	1.14	10.6	844	17	1353	31~34	247~271	120

备注:

- 1.以上磁性参数和物理特性参数均在室温下的数据
- 2.最高工作温度依赖于磁体的长径比、镀层和环境因素。(该表为长径比1:1,镀Ni的测试数据)
- 3.密度7.4~7.65g/cm³,可逆温度系数 0-0.13~-0.09%/°C; ; p-0.80~-0.50%/°C; 硬度Hv600.

性能参数

牌号 Grade	剩磁 (最小值) Remanence (Min)		磁感矫顽力(最小值) Magnetic Induction Coercivity (Min)		内禀矫顽力(最小值) Intrinsic Coercivity (Min)		最大磁能积(范围) Max Magnetic energy Product (Range)		最高工作 温度 ≤ Maximum Working Temperature C°
	BR		Hcb		Hcj		(BH) max		
	KGs	T	KGe	KA/m	KOe	KA/m	MGOe	KJ/m ³	
N48SH	13.7	1.37	12.8	1035	19	1512	45~49	358~390	150
N45SH	13.3	1.33	11.8	938	20	1592	43~46	342~366	150
N42SH	12.9	1.29	11.8	938	20	1592	40~43	318~342	150
N40SH	12.6	1.26	11.5	912	20	1592	38~41	302~326	150
N38SH	12.3	1.23	11.1	886	20	1592	36~39	287~310	150
N35SH	11.8	1.18	11.0	876	20	1592	33~36	263~287	150
N33SH	11.4	1.14	10.5	836	20	1592	31~34	247~271	150
N45UH	13.3	1.33	12.2	976	24	1911	43~46	342~366	180
N42UH	12.9	1.29	11.8	938	25	1990	40~43	318~342	180
N40UH	12.6	1.26	11.5	912	25	1990	38~41	302~326	180
N38UH	12.3	1.23	11.1	886	25	1990	36~39	287~310	180
N35UH	11.8	1.18	10.6	845	25	1990	33~36	263~287	180
N33UH	11.4	1.14	10.3	816	25	1990	31~34	247~271	180
N30UH	10.8	1.08	9.5	756	25	1990	28~31	223~247	180
N42EH	12.8	1.28	12.2	971	29	2308	39~43	310~342	200
N40EH	12.5	1.25	11.9	947	30	2388	37~41	295~326	200
N38EH	12.2	1.22	11.6	923	30	2388	35~39	279~310	200
N35EH	11.8	1.18	11.1	883	30	2388	33~36	263~287	200
N33EH	11.4	1.14	10.3	816	30	2388	31~34	247~271	200
N30EH	10.8	1.08	9.5	756	30	2388	28~31	223~247	200
N28EH	10.5	1.05	9.5	756	30	2388	26~29	207~231	200
N38TH	12.2	1.22	11.6	923	33	2627	35~39	279~310	230
N35TH	11.8	1.18	10.6	845	35	2786	33~36	263~287	230
N33TH	11.4	1.14	10.2	816	35	2786	31~34	247~271	230
N30TH	10.8	1.08	10.1	804	35	2786	28~31	223~247	230
N28TH	10.5	1.05	9.5	756	35	2786	26~29	207~231	230

Note :

- 1.The above-mentioned data of magnetic parameters and physical properties are given at room temperature.
- 2.The maximum service temperature of magnet is changeable due to the ratio of length and diameter, coating and environmental factors.
- 3.Density: 7.4~7.65g/cm³, Reversible Temperature Coefficient:ot-0.13~-0.09%/°C; ; p-0.80~-0.50%/°C; Hardness: Hv600.