



Dailymag[®]

REPEL, ATTRACT, LIFE

www.magnet-ndfeb.com

Why Choose Us?

- **Customized Products with High Machining Ability**

More than 10 thousands shapes of Magnets.

- **Stable Quality with Reasonable Price**

Let you be very satisfied with the products.

- **Strong Sense of Responsibility**

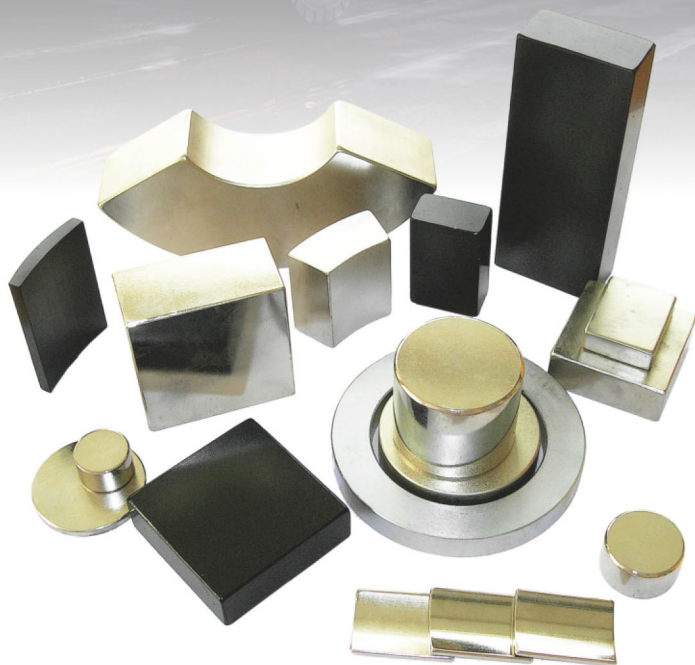
Response within 24 hours for all questions.

- **Samples Available**

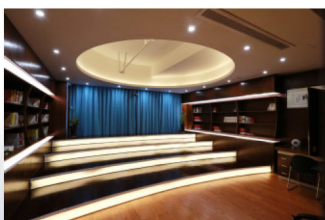
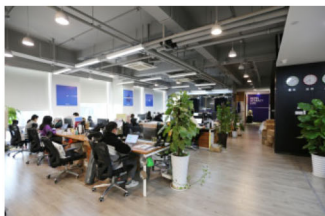
Minimum delivery time is 1 day.

- **Service Guarantee**

We are glad to supply our technical support for you at your any convenient time.



C_{ontents}



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China's leading manufacturer and exporter of permanent magnets

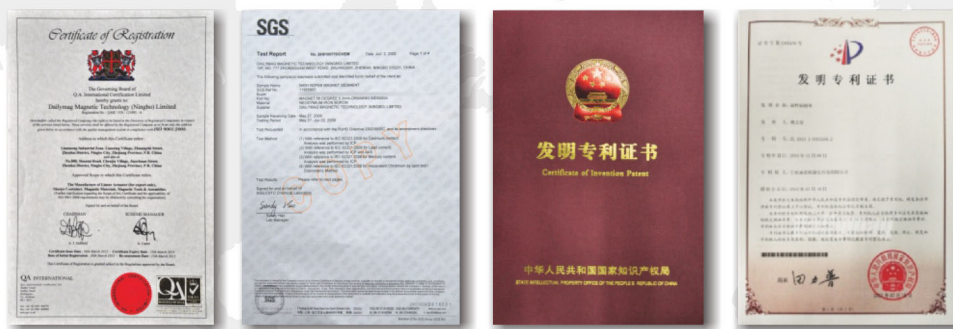
Dailymag Magnetics - Your Reliable "Magnetic Force"

Dailymag Magnetics undertakes its own research, development, and manufacturing of Sintered NdFeB Magnets, Magnetic Assemblies, and exporting of SmCo Magnets and Ferrite Magnets.

Utilizing state-of-the-art facilities and top experts, we provide a variety of shapes and sizes of Sintered NdFeB magnets including block, disc, ring, arc, segmented and so on, as well as industrial magnetic assemblies. We take great pride in the fact that our products are widely applied in the following fields, among others: Motors, Electrical Power, Machinery, Audio/Video and Communication Equipment, Transportation, New Energy, Medical Devices, Office Automation, Auto Mobile Industry, Wind Turbines, and Safety applications.

As a cutting-edge company, Dailymag Magnetics is a passionate innovator holding more than 100 patents, including many newly applied magnets. We are keenly focused on harnessing our advanced engineering and production technology to provide both standardized and custom magnetic design solutions to our worldwide clients. Through our rich market experience we deliver tailored, comprehensive solutions to assist you in meeting your business challenges and optimally exploiting your market opportunities.

For Dailymag, sustainability is a word that can be used to describe our business relationships, as we value our clients and consistently deliver value to them. To that end we are excited about the prospect of establishing and fostering a mutually beneficial long-term relationship with you and your company, and look forward to that beginning.



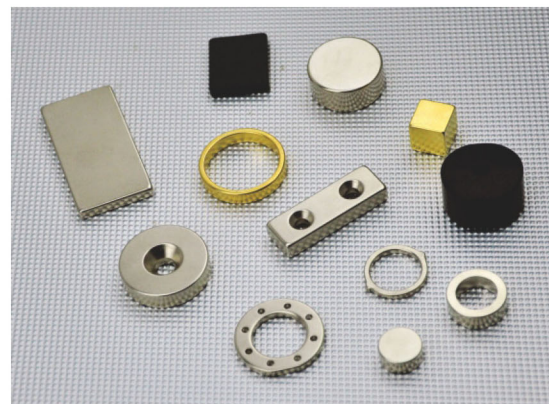
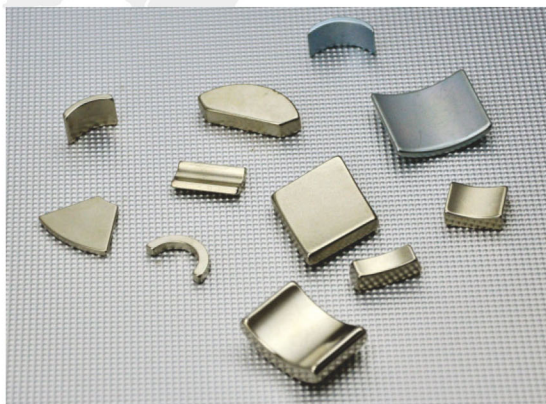
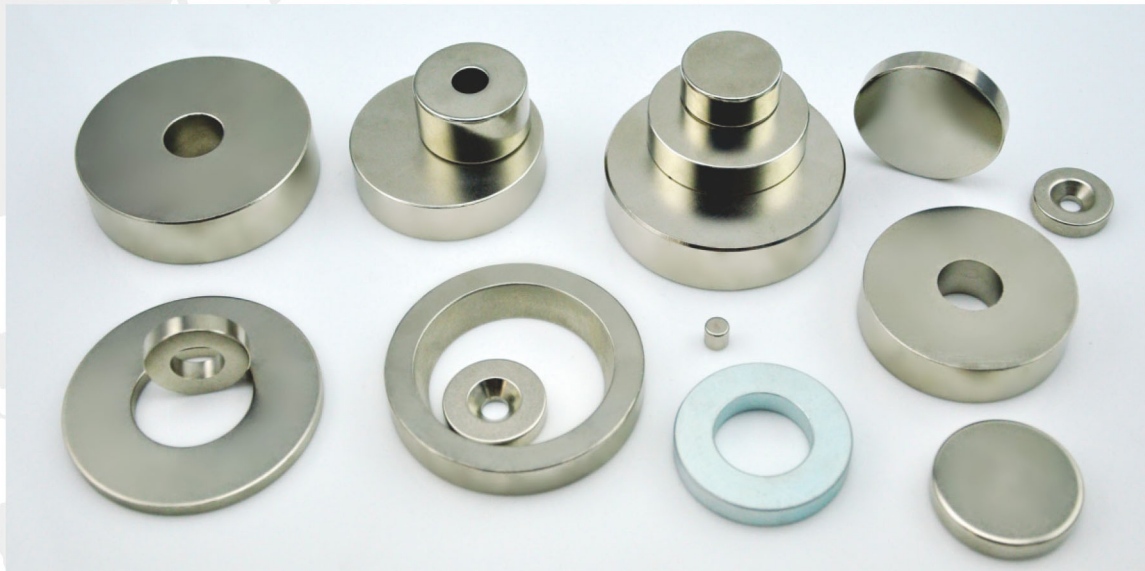
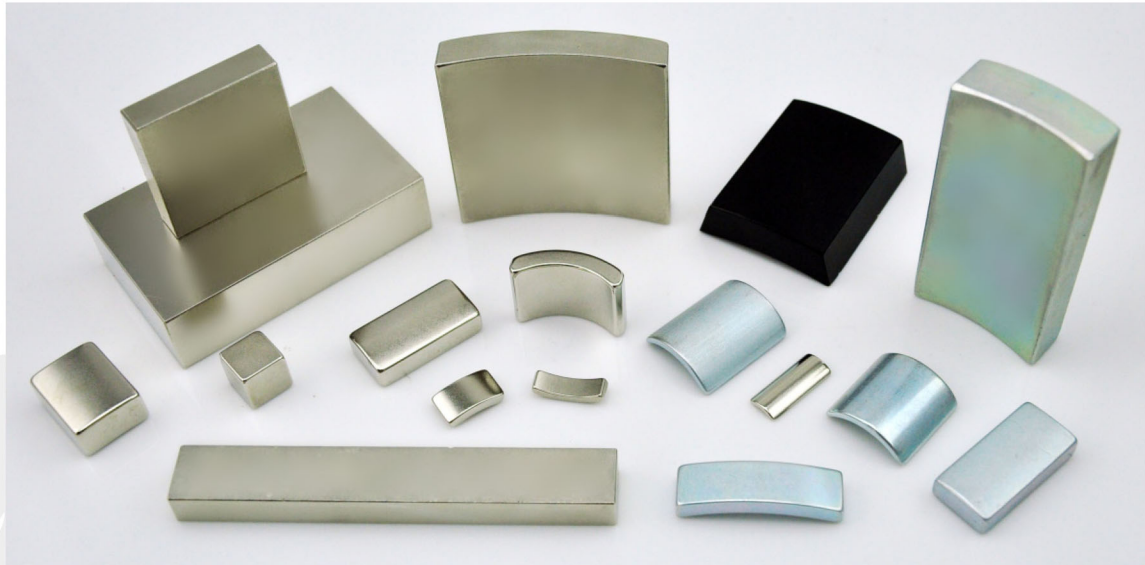
Dailymag Market



Sintered NdFeB Magnet

Sintered NdFeB magnet, the third generation of rare earth permanent magnet, is the most powerful and advanced commercialized permanent magnet today. NdFeB has the high remanence, high coercive force, high-energy product and high performance/cost ratio. It can be formed into various sizes and widely used in many fields such as aviation, electronics, instruments, meters, machine, medical instrument and the like. It is especially suitable for the development of high-performance, compact and light products.

A variety of coatings can be applied to the sintered NdFeB magnets' surface to overcome the principle drawback of neodymium based magnets, their tendency to corrode easily.



Sintered NdFeB Magnet

Material	Neodymium-Iron-Boron	
Working Temperature	Grade	Max. Operating Temperature
	N35-N52	80° C (176° F)
	33M-48M	100° C (212° F)
	33H-48H	120° C (248° F)
	30SH-45SH	150° C (302° F)
	30UH-40UH	180° C (356° F)
	28EH-38EH	200° C (392° F)
	28AH-35AH	220° C (428° F)
Magnet Shape	Disc, Cylinder, Block, Ring, Countersunk, Segment, Trapezoid, Irregular shapes and more. Customized shapes for NdFeB Magnet are available.	
Magnet Coating	Ni-Cu-Ni, Nickel, Zn, Gold, Silver, Copper, Epoxy, Chemical, PTFE, Parylene, Everlube, Passivation and more.	
Technology Advantage	Depending on advanced R&D center, Quality control team and professional machining technicians, we can surpass our competitors in the stability of quality and superiority of property.	
Delivery Advantage	The lead time must be 2-5 days quicker than industry average because of more flexible machine process control.	
Application	NdFeB Magnet are widely used in many fields, such as motors, sensors, microphones, wind turbines, wind generators, VCMs in hard disk drives, printer, switchboard, loudspeakers, magnetic separation, magnetic hooks, magnetic holder, magnetic chuck, common daily use, and so on.	



Magnetic Properties of Sintered NdFeB Magnet

Grade	Remanence		Coercive Force		Intrinsic Coercive Force		Max. Energy Product		MAX Operating Temperature
	Br		Hcb		Hcj		(BH)max		TW
	mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe	
N35	1170-1220	11.7-12.2	≥868	≥10.9	≥955	≥12	263-287	33-36	80°C
N38	1220-1250	12.2-12.5	≥899	≥11.3	≥955	≥12	287-310	36-39	80°C
N40	1250-1280	12.5-12.8	≥907	≥11.4	≥955	≥12	302-326	38-41	80°C
N42	1280-1320	12.8-13.2	≥915	≥11.5	≥955	≥12	318-342	40-43	80°C
N45	1320-1380	13.2-13.8	≥923	≥11.6	≥955	≥12	342-366	43-46	80°C
N48	1380-1420	13.8-14.2	≥923	≥11.6	≥876	≥11	366-390	46-49	80°C
N50	1400-1450	14.0-14.5	≥796	≥10.0	≥876	≥11	382-406	48-51	60°C
N52	1430-1480	14.3-14.8	≥796	≥10.0	≥876	≥11	398-422	50-53	60°C
30M	1080-1130	10.8-11.3	≥796	≥10.0	≥1114	≥14	223-247	28-31	100°C
33M	1130-1170	11.3-11.7	≥836	≥10.5	≥1114	≥14	247-263	31-33	100°C
35M	1170-1220	11.7-12.2	≥868	≥10.9	≥1114	≥14	263-287	33-36	100°C
38M	1220-1250	12.2-12.5	≥899	≥11.3	≥1114	≥14	287-310	36-39	100°C
40M	1250-1280	12.5-12.8	≥923	≥11.6	≥923	≥11.6	302-326	38-41	100°C
42M	1280-1320	12.8-13.2	≥955	≥12.0	≥955	≥12.0	318-342	40-43	100°C
45M	1320-1380	13.2-13.8	≥955	≥12.5	≥955	≥12.5	342-366	43-46	100°C
48M	1360-1430	13.6-14.3	≥1027	≥12.9	≥1027	≥12.9	366-390	46-49	100°C
50M	1400-1450	14.0-14.5	≥1033	≥13.0	≥1033	≥13.0	382-406	48-51	100°C
30H	1080-1130	10.8-11.3	≥796	≥10.0	≥1353	≥17	223-247	28-31	120°C
33H	1130-1170	11.3-11.7	≥836	≥10.5	≥1353	≥17	247-271	31-34	120°C
35H	1170-1220	11.7-12.2	≥868	≥10.9	≥1353	≥17	263-287	33-36	120°C
38H	1220-1250	12.2-12.5	≥899	≥11.3	≥1353	≥17	287-310	36-39	120°C
40H	1250-1280	12.5-12.8	≥923	≥11.6	≥1353	≥17	302-326	38-41	120°C
42H	1280-1320	12.8-13.2	≥955	≥12.0	≥1353	≥17	318-342	40-43	120°C
45H	1300-1360	13.0-13.6	≥963	≥12.1	≥1353	≥17	326-358	43-46	120°C
48H	1370-1430	13.7-14.3	≥995	≥12.5	≥1353	≥17	366-390	46-49	120°C
30SH	1080-1130	10.8-11.3	≥804	≥10.1	≥1592	≥20	223-247	28-31	150°C
33SH	1130-1170	11.3-11.7	≥844	≥10.6	≥1592	≥20	247-271	31-34	150°C
35SH	1170-1220	11.7-12.2	≥876	≥11.0	≥1592	≥20	263-287	33-36	150°C
38SH	1220-1250	12.2-12.5	≥907	≥11.4	≥1592	≥20	287-310	36-39	150°C
40SH	1240-1280	12.4-12.8	≥939	≥11.8	≥1592	≥20	302-326	38-41	150°C
42SH	1280-1320	12.8-13.2	≥987	≥12.4	≥1592	≥20	318-342	40-43	150°C
45SH	1320-1380	13.2-13.8	≥1003	≥12.6	≥1592	≥20	342-366	43-46	150°C
28UH	1020-1080	10.2-10.8	≥764	≥9.6	≥1990	≥25	207-231	26-29	180°C
30UH	1080-1130	10.8-11.3	≥812	≥10.2	≥1990	≥25	223-247	28-31	180°C
33UH	1130-1170	11.3-11.7	≥852	≥10.7	≥1990	≥25	247-271	31-34	180°C
35UH	1180-1220	11.8-12.2	≥860	≥10.8	≥1990	≥25	263-287	33-36	180°C
38UH	1220-1250	12.2-12.5	≥876	≥11.0	≥1990	≥25	287-310	36-39	180°C
40UH	1240-1280	12.4-12.8	≥899	≥11.3	≥1990	≥25	302-326	38-41	180°C
28EH	1040-1090	10.4-10.9	≥780	≥9.8	≥2388	≥30	207-231	26-29	200°C
30EH	1080-1130	10.8-11.3	≥812	≥10.2	≥2388	≥30	223-247	28-31	200°C
33EH	1130-1170	11.3-11.7	≥836	≥10.5	≥2388	≥30	247-271	31-34	200°C
35EH	1170-1220	11.7-12.2	≥876	≥11.0	≥2388	≥30	263-287	33-36	200°C
38EH	1220-1250	12.2-12.5	≥899	≥11.3	≥2388	≥30	287-310	36-39	200°C

Production Flow

Strip Casting



Hydrogen Decrepitation



Jet Milling



Pressing



Vacuum Sintering



Machining



Electroplating



Magnetization

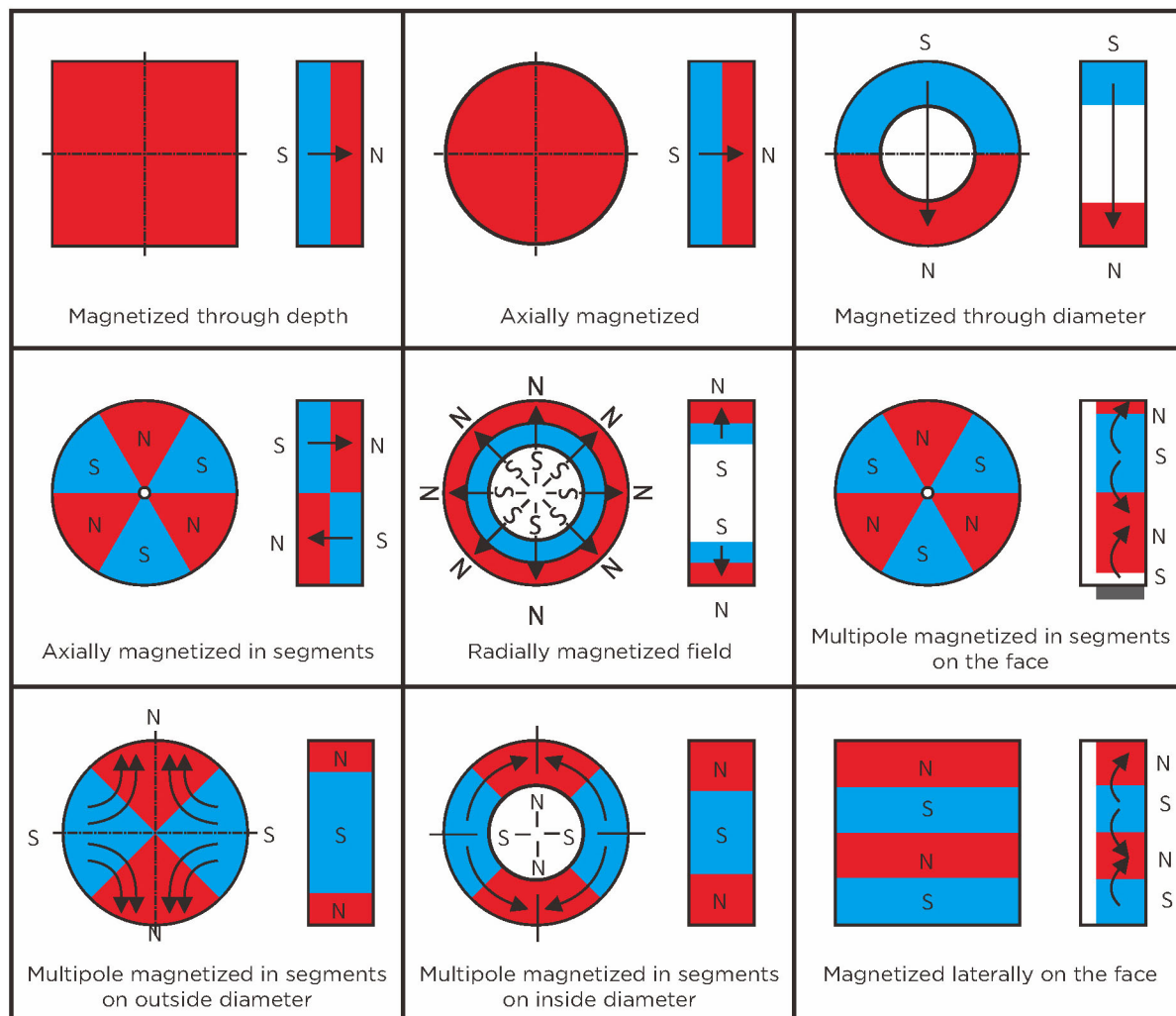


Quality Control

Depending on advanced R&D center, quality control team and professional machining technicians, we can surpass our competitors in the stability of quality and superiority of property.

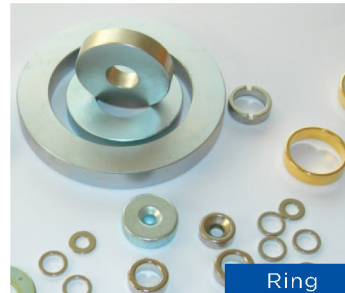
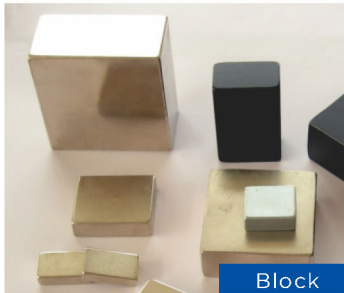


Magnetizing Direction Chart



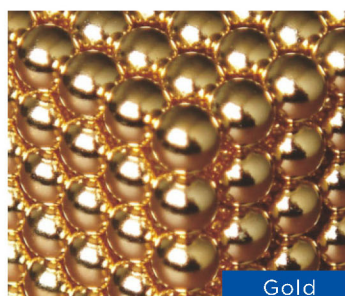
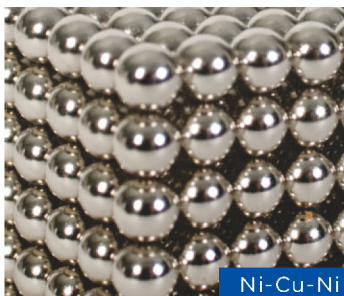
NdFeB Magnet Shape

We can make Disc, Cylinder, Block, Ring, Countersunk, Segment, Trapezoid, Irregular shapes and more. Customized shapes are available.



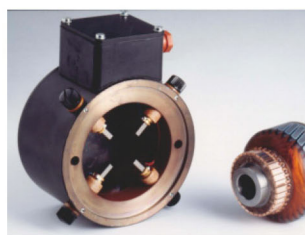
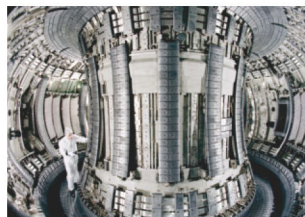
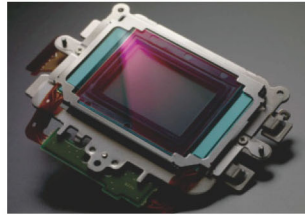
NdFeB Magnet Coating

We could do Ni-Cu-Ni, Zn, Gold, Silver, Copper, Epoxy, Chemical, PTFE, Parylene, Everlube, Passivation and more coating for NdFeB magnets.



Application of Magnets

Magnets are widely used in many fields, such as motors, sensors, microphones, wind turbines, wind generators, VCMs in hard disk drives, printer, switchboard, loudspeakers, magnetic separation, magnetic hooks, magnetic holder, magnetic chuck, common daily use, and so on.



Sintered SmCo Magnet

Sintered SmCo magnet is a high performance, low temperature coefficient permanent magnet with its high working temperature-350 degree centigrade. When working above 180 degree centigrade, its maximum energy product BH and steady temperature are superior than NdFeB magnetic materials. Sintered SmCo needn't to be coated as it is difficult to be eroded and oxidized. Sintered SmCo magnet is widely used in motors, watch, transducers, instruments, positional detector, generators, radar communications, medical equipments, various magnetism spreading devices, magnetic processor, electrical engineering and magnetic derrick.



Magnetic Properties of SmCo5 magnet

Material	Grade	Remanence		Coercive Force		Intrinsic Coercive Force		Max. energy product		Curie Temperature	Max. Operating Temperature	Temperature Coefficient of Br	Temperature Coefficient of Hc
		Br		Hcb		Hcj		(BH)max		Tc	Tw	of Br	of Hc
		mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGoe	°C	°C	%°C	%°C
SmCo5 (Smp)Co5	YX-6	810-850	8.1-8.5	620-660	7.8-8.3	1194-1830	15-23	110-127	14-16	750	250	-0.05	-0.03
	YX-18	850-900	8.5-9.0	660-700	8.3-8.8	1194-1830	15-23	127-143	16-18	750	250	-0.05	-0.03
	YX-20	900-940	9.0-9.4	680-725	8.5-9.1	1194-1830	15-23	150-167	19-21	750	250	-0.05	-0.03
	YX-22	920-960	9.2-9.6	710-750	8.9-9.4	1194-1830	15-23	160-175	20-22	750	250	-0.05	-0.03
	YX-24	960-1000	9.6-10.0	730-770	9.2-9.7	1194-1830	15-23	175-190	22-24	750	250	-0.05	-0.03
SmCo5	YX-20s	900-940	9.0-9.4	680-725	8.5-9.1	1433-1830	18-23	143-160	18-20	750	250	-0.05	-0.03
	YX-22s	920-960	9.2-9.6	710-750	8.9-9.4	1433-1830	18-23	160-175	20-22	750	250	-0.05	-0.03
Low temperature coefficient SmCo5 (SmGd)Co5	Ltc (YX-10)	590-630	5.9-6.3	460-493	5.8-6.2	1433-1830	18-23	68-80	8.5-10	700	250	Temperature	Temperature Coefficient of Br %°C
												20-100°C	-0.004
												100-200°C	-0.021
												200-300°C	-0.042
ce(coFecu)5	YX-12	700-740	7.0-7.4	358-390	4.5-4.9	358-470	4.5-6	80-103	10-13	450	200		

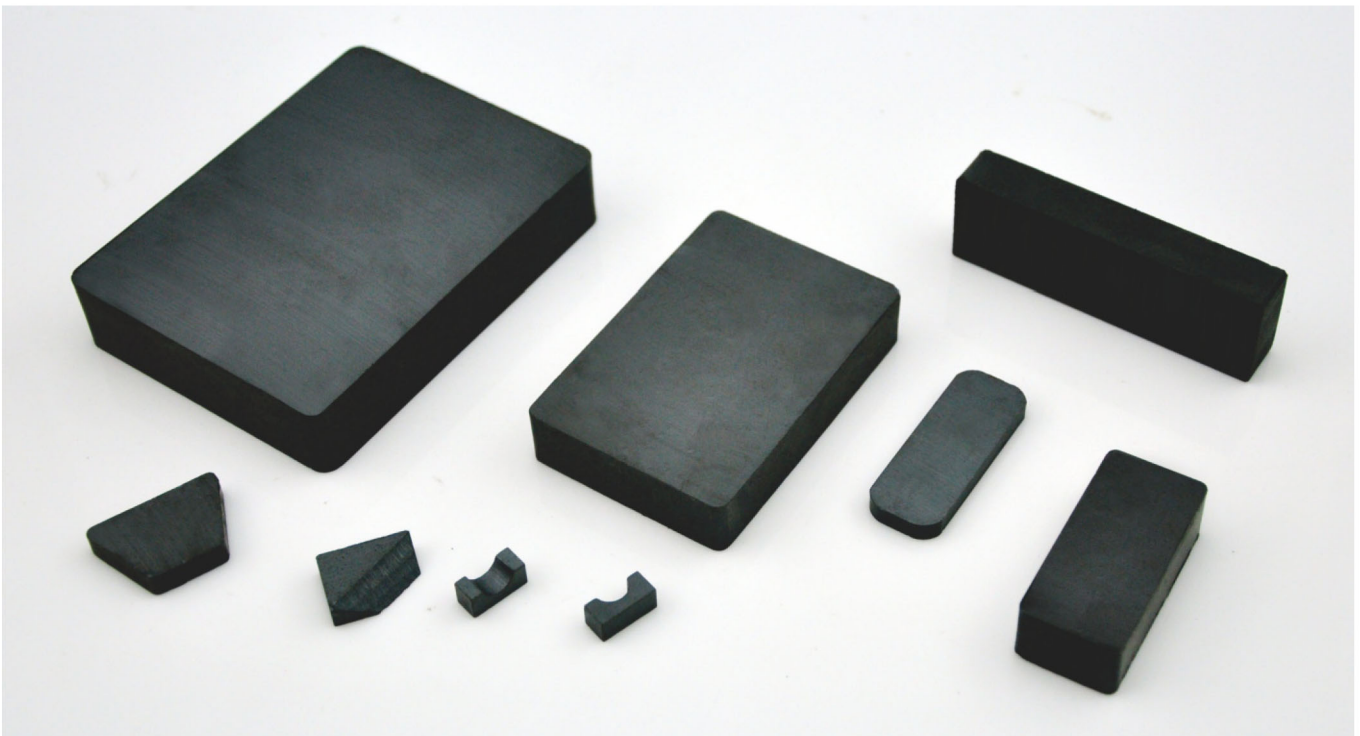
Magnetic Properties of Sm2Co17 magnet

Material	Grade	Remanence		Coercive Force		Intrinsic Coercive Force		Max. energy product		Curie Temperature	Max. Operating Temperature	Temperature Coefficient of Br	Temperature Coefficient of Hc
		Br		Hcb		Hcj		(BH)max		Tc	Tw	of Br	of Hc
		mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGoe	°C	°C	%°C	%°C
Sm2Co17 Sm2 (CoFecu)17	YXG-24H	950-1020	9.5-10.2	700-750	8.7-9.4	=1990	=25	175-191	22-24	800	350	-0.03	-0.2
	YXG-26H	1020-1050	10.2-10.5	750-780	9.4-9.8	=1990	=25	191-207	24-26	800	350	-0.03	-0.2
	YXG-28H	1030-1080	10.3-10.8	756-796	9.5-10	=1990	=25	207-220	26-28	800	350	-0.03	-0.2
	YXG-30H	1080-1100	10.8-11.0	788-835	9.9-10.5	=1990	=25	220-240	28-30	800	350	-0.03	-0.2
	YXG-24	950-1020	9.5-10.2	700-750	8.7-9.4	=1433	=18	175-191	22-24	800	300	-0.03	-0.2
	YXG-26	1020-1050	10.2-10.5	750-780	9.4-9.8	=1433	=18	191-207	24-26	800	300	-0.03	-0.2
	YXG-28	1030-1080	10.3-10.8	756-796	9.5-10	=1433	=18	207-220	26-28	800	300	-0.03	-0.2
	YXG-30	1080-1100	10.8-11.0	788-835	9.9-10.5	=1433	=18	220-240	28-30	800	300	-0.03	-0.2
	YXG-26M	1020-1050	10.2-10.5	750-780	9.4-9.8	955-1273	12-16	191-207	24-26	800	300	-0.03	-0.2
	YXG-28M	1030-1080	10.3-10.8	756-796	9.5-10.0	955-1273	12-16	207-220	26-28	800	300	-0.03	-0.2
	YXG-30M	1080-1100	10.8-11.0	788-835	9.9-10.5	955-1273	12-16	220-240	28-30	800	300	-0.03	-0.2
	YXG-28L	1020-1080	10.2-10.8	398-445	5.0-5.6	400-520	5.2-6.5	207-220	26-28	800	250	-0.03	-0.2
	YXG-30L	1080-1150	10.8-11.5	398-445	5.0-5.6	400-520	5.2-6.5	220-240	28-30	800	250	-0.03	-0.2
Low temperature coefficient Sm2Co17 (SmEr)2 (CoTM)17	LTC (YXG-22)	940-980	9.4-9.8	668-715	8.4-9.0	1194-1591	15-20	167-183	21-23	840	300	Temperature	Temperature Coefficient of Br %°C
												-50-25°C	+0.005
												20-100°C	+0.012
												100-200°C	+0.006
												200-300°C	-0.025

Sintered Ferrite Magnet

Ferrite (Ceramic) magnets (Hard ferrite magnet) were developed in the 1960's as a low cost alternative to metallic magnets. Even though they exhibit low energy (compared with other permanent magnetic materials) and are relatively brittle and hard, ferrite magnets have won wide acceptance due to their good resistance to demagnetization, excellent corrosion resistance and low price per pound. In fact, measured by weight, ferrite represents more than 75% of the world magnet consumption. It is the first choice for most types of DC motors, magnetic separators, magnetic resonance imaging and automotive sensors.

Besides industrial application, ferrite magnets are widely used in educational area.



Sintered Ferrite Magnet

Magnetic Properties of Sintered Ferrite Magnet

Chinese standard								
Grade	Br		Hcb		Hcj		(BH)max	
	mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe
Y10T	200~235	2.0~2.35	125~160	1.57~2.01	210~280	2.64~3.52	6.5~9.5	0.8~1.2
Y20	320~380	3.2~3.80	135~190	1.70~2.38	140~195	1.76~2.45	18.0~22.0	2.3~2.8
Y22h	310~360	3.1~3.6	220~250	2.77~3.14	280~320	3.52~4.02	20.0~24.0	2.5~3.0
Y23	320~370	3.2~3.7	170~190	2.14~2.38	190~230	2.39~2.89	20.0~25.5	2.5~3.2
Y25	360~380	3.6~3.8	135~170	1.70~2.14	140~200	1.76~2.51	22.5~28.0	2.8~3.5
Y26h	360~390	3.6~3.9	220~250	2.77~3.14	225~255	2.83~3.21	23.0~28.0	2.9~3.5
Y27h	370~400	3.7~4.0	205~250	2.58~3.14	210~255	2.64~3.21	25.0~29.0	3.1~3.7
Y30	370~400	3.7~4.0	175~210	2.20~2.64	180~220	2.26~2.77	26.0~30.0	3.3~3.8
Y30bh	380~390	3.8~3.9	223~235	2.80~2.95	231~245	2.90~3.08	27.0~30.0	3.4~3.7
Y30-1	380~400	3.8~4.0	230~275	2.89~3.46	235~290	2.95~3.65	27.0~32.0	3.4~4.0
Y30h-2	395~415	3.95~4.15	275~300	3.46~3.77	310~335	3.90~4.21	28.5~32.5	3.5~4.0
Y32	400~420	4.0~4.2	160~190	2.01~2.38	165~195	2.07~2.45	30.0~33.5	3.8~4.2
Y33	410~430	4.1~4.3	220~250	2.77~3.14	225~255	2.83~3.21	31.5~35.0	4.0~4.4
Y35	400~410	4.0~4.1	175~195	2.20~2.45	180~200	2.26~2.51	30.0~32.0	3.8~4.0

Europe standard The standard from International Electronics Committee(IEC404-8.1) 0x100=Y10T=C1x300=Y30=C5 0x330=Y30 BH								
Grade	Allowed Value (min-typical)							
	Br		Hcb		BrHcj		(BH)max	
	mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe
HF8/22	200-220	2.00-2.20	125-140	1.57-1.76	220-230	2.76-2.89	6.5-6.8	0.8-1.1
HF20/19	320-333	3.20-3.33	170-190	2.14-2.39	190-200	2.39-2.51	20.0-21.0	2.5-2.7
HF20/28	310-325	3.10-3.25	220-230	2.76-2.89	280-290	3.52-3.64	20.0-21.0	2.5-2.7
HF22/30	350-365	3.50-3.65	255-265	3.20-3.33	290-300	3.64-3.77	22.0-23.5	2.8-3.0
HF24/16	350-365	3.50-3.65	155-175	1.95-2.20	160-180	2.01-2.26	24.0-25.5	3.0-3.2
HF24/23	350-365	3.50-3.65	220-230	2.76-2.89	230-240	2.89-3.01	24.0-25.5	3.0-3.2
HF24/35	360-370	3.60-3.70	260-270	3.27-3.39	350-360	4.40-4.52	24.0-25.5	3.0-3.2
HF26/16	370-380	3.70-3.80	155-175	1.95-2.20	160-180	2.01-2.26	26.0-27.0	3.2-3.4
HF26/18	370-380	3.70-3.80	175-190	2.20-2.39	180-190	2.26-2.39	26.0-27.0	3.3-3.4
HF26/24	370-380	3.70-3.80	230-240	2.89-3.01	240-250	3.01-3.14	26.0-27.0	3.3-3.4
HF26/26	370-380	3.70-3.80	230-240	2.89-3.01	260-270	3.27-3.39	26.0-27.0	3.3-3.4
HF26/30	385-395	3.85-3.95	260-270	3.27-3.39	300-310	3.77-3.89	26.0-27.0	3.3-3.4
HF28/26	385-395	3.85-3.95	250-265	3.17-3.33	260-275	3.27-3.45	28.0-30.0	3.5-3.8
HF28/28	385-395	3.85-3.95	260-270	3.27-3.39	280-290	3.50-3.60	28.0-30.0	3.5-3.8
HF30/26	395-405	3.95-4.05	250-260	3.14-3.33	260-270	3.27-3.39	30.0-31.5	3.8-3.9
HF32/17	410-420	4.10-4.20	160-180	2.01-2.26	165-175	2.07-2.20	32.0-33.0	4.0-4.1
HF32/22	410-420	4.10-4.20	215-225	2.70-2.83	220-230	2.76-2.89	32.0-33.0	4.0-4.1
HF32/25	410-420	4.10-4.20	240-250	3.01-3.14	250-260	3.14-3.27	32.0-33.0	4.0-4.1

USA standard								
Grade	Br		Hcb		Hcj		(BH)max	
	mT	KGs	KA/m	KOe	KA/m	KOe	KJ/m ³	MGOe
C1	230	2.3	148	1.86	258	3.5	8.36	1.05
C5	380	3.8	191	2.4	199	2.5	27	3.4
C7	340	3.4	258	3.23	318	4.00	21.9	2.75
C8(=C8A)	385	3.85	235	2.95	242	3.05	27.8	3.5
C8B	420	4.2	232	2.913	236	2.96	32.8	4.12
C9	380	3.8	280	3.516	320	4.01	26.4	3.32
C10	400	4.0	288	3.617	280	3.51	30.4	3.82
C11	430	4.3	200	2.512	204	2.56	34.4	4.32



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