

COMPANY PROFILE



Nibboh Magnets is a manufacturer and global supplier of high-performance permanent magnets, specializing in bonded, injection-molded, and sintered NdFeB magnets for precision applications.

Backed by nearly 20 years of industry experience, our founder and engineering team have been deeply involved in the development and manufacturing of permanent magnets for consumer electronics, automotive components, micro-motors, and other high-performance applications where compact size and reliable magnetic performance are critical.

Nibboh Magnets operates its own manufacturing facility in Tianjin, China, with ISO 9001:2015 certified processes covering engineering, manufacturing, coating, magnetizing, and quality control. This allows us to maintain consistent quality, competitive pricing, and flexible customization based on customer drawings and specifications.

As part of our global expansion, we are actively building our U.S. presence to better support North American customers.

We now offer:

- Local U.S. sales and technical support
- U.S. warehouse with inventory of standard magnet products
- On-site magnetizing capability in the U.S., enabling faster delivery and flexible order fulfillment

With in-house manufacturing, global supply capability, and growing local support in the United States, Nibboh Magnets is committed to being a reliable long-term partner for customers seeking high-performance magnetic solutions.



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Bonded NdFeB Magnets



Bonded NdFeB magnets are made of NdFeB magnetic powder mixed with epoxy binders, and are formed by compaction process. Bonded NdFeB magnets can be made into various size and shapes according to customer's design, and can be magnetized in different ways including axial, multi-poles, radial, oblique magnetization etc. Bonded NdFeB magnet is rusted easily, so it is supplied with anti-corrosion coating such as Epoxy coating, Parkerising, Parylene.

Application

Bonded NdFeB magnets are widely used in all kinds of micro motors, such as spindle motor, stepping motor, synchronous motor, DC motor and brushless DC motor. It can replace sintered NdFeB magnets and ferrite, making motor assembling simpler and more reliable, reducing costs and improving efficiency.



Bonded NdFeB Magnets Assemblies

Application

Through injection, bonding or other methods, the bonded NdFeB magnet is formed as rotor assembly in connection with shaft, core and hub, etc.



Injection Magnets



Injection magnets is different from the traditional magnetic craft which made by mixing the magnetic particle with plastic medium, mixed and heated by the injection machine and then rip the mixture into the mould to get different shapes of production, this kind of process makes the Injection magnets has some unique advantages. The precise magnet with complex shape can be made very easily. During the subsequent assembly and use the magnet is hard to crack. It can form in one piece with inlaid element easily. Therefore the Injection magnets are usually used for some peculiar requirements and the situation which other skills can not be very competent.

At the present time, there are 3 main kinds of magnetic particle used in the Injection Magnets material: Ferrite NdFeB and SmCo. The plastic medium include Nylon 6 Nylon12 and PPS, customer can order their requirements of performance cost and use occasion to make decisions.

Application

Injection magnets are widely used in variable frequency motors, medical motors, various pump rotors, and various sensors and motors in automobiles.



Bonded NdFeB Magnets

Grade	TNM-2	TNM-4	TNM-6	TNM-8	TNM-8L	TNM-8H	TNM-8SR	TNM-10	TNM-10L	TNM-10H	TNM-10SR	TNM-12	TNM-12L	TNM-3914	TNM-3417
Br	(mT) 250-450	400-500	500-600	600-650	600-680	600-650	600-650	600-680	680-750	700-750	650-700	760-810	780-830	1280-1350	1200-1270
Residual Induction	(kGs) 2.5-4.5	4.0-5.0	5.0-6.0	6.0-6.5	6.0-6.8	6.0-6.5	6.0-6.5	6.0-6.8	6.8-7.3	7.0-7.5	6.5-7.0	7.6-8.1	7.8-8.3	12.8-13.5	12.0-12.7
Hcb	(kA/m) 160-280	240-320	320-400	360-440	360-440	400-480	400-480	400-480	400-480	400-480	400-480	400-480	400-480	760-792	736-768
Coercive Force	(kOe) 2.0-3.5	3.0-4.0	4.0-5.0	4.5-5.5	4.5-5.5	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	5.0-6.0	9.5-9.9	9.2-9.6
Hci	(kA/m) 320-560	560-720	560-720	640-800	640-800	1040-1360	880-1120	640-800	640-800	640-800	880-1120	480-640	480-640	1040-1200	1200-1360
Intrinsic Coercive Force (kOe)	4.0-7.0	7.0-9.0	7.0-9.0	8.0-10.0	8.0-10.0	13.0-17.0	11.0-14.0	8.0-10.0	8.0-10.0	8.0-10.0	11.0-14.0	6.0-8.0	6.0-8.0	13.0-15.0	15.0-17.0
(BH)max	(kJ/m³) 12-32	32-44	52-60	60-68	64-72	60-68	64-72	68-76	76-84	80-88	76-84	84-92	88-96	304-336	264-288
Max Energy Product (MGOe)	1.5-4.0	4.0-5.5	6.5-7.5	7.5-8.5	8.0-9.0	7.5-8.5	8.0-9.0	8.5-9.5	9.5-10.5	10.0-11.0	9.5-10.5	10.5-11.5	11.0-12.0	38-42	33-36
Permeability	(μH/m) 1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
Temp Coefficient	(%/°C) -0.11	-0.11	-0.11	-0.11	-0.11	-0.12	-0.14	-0.1	-0.1	-0.1	-0.14	-0.11	-0.11		
Curie Temperature	Tc(°C) 360	360	360	360	360	300	300	360	360	360	300	320	320		
Max Operating Temperature	130	130	130	130	130	160	160	130	130	130	160	120	120		
Density	(g/cm³) 5.2-5.7	5.2-5.7	5.5-6.0	5.8-6.1	5.8-6.1	5.8-6.1	5.8-6.1	5.8-6.1	5.8-6.1	6.0-6.3	5.8-6.1	6.0-6.3	6.1-6.4		
Hardness	40-45	40-45	40-45	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38	35-38		

Injection Magnets

INJECTION MAGNETS

Grade		TNMI-0.6	TNMI-1.7	TNMI-2.0	TNMI-4.0	TNMI-5.0	TNMI-6.0	TNMI-8.0	TNMI-8.0A
Br	(mT)	155-170	245-265	275-290	400-500	450-550	480-580	530-620	580-650
Residual Induction	(kGs)	1550-1700	2450-2650	2750-2900	4000-5000	4500-5500	4800-5800	5300-6200	5800-6500
Hcb	(kA/m)	111-119	175-191	191-207	255-310	302-358	334-382	358-413	382-430
Coercive Force	(kOe)	1400-1500	2200-2400	2400-2600	3200-3900	3800-4500	4200-4800	4500-5200	4800-5400
Hcj	(kA/m)	218-238	243-259	226-250	640-800	640-800	640-800	640-800	640-800
Intrinsic Coercive Force	(kOe)	2800-3000	3050-3250	2800-3150	8000-10000	8000-10000	8000-10000	8000-10000	8000-10000
(BH)max	(kJ/m ³)	4.4-5.5	12.4-14.0	15.6-16.4	28-36	36-44	44-52	52-56	56-64
Max Energy Product	(MGOe)	0.55-0.68	1.55-1.75	1.95-2.05	3.5-4.5	4.5-5.5	5.5-6.5	6.5-7.0	7.0-8.0
Temp Coefficient	(Br/Br)	-0.19	-0.19	-0.19	-0.1	-0.1	-0.1	-0.1	-0.1
Temp Coefficient	(Hc/Hc)	0.2-0.3	0.2-0.3	0.2-0.3	-0.4	-0.4	-0.4	-0.4	-0.4
Density	(g/cm ³)	3.6	3.7	3.8	4.5	4.8	5.0	5.2	5.2
Tensile Strength	(MPa)	60	60	75	35	35	36	37	37
Flexural Strength	(MPa)	100	95	180	72	72	70	75	75
Flexural Modulus	(MPa)	13000	17000	25000	15000	15000	15000	15000	15000
Water Absorption	(%)	0.04	0.01	0.05	0.05	0.05	0.05	0.04	0.05
Heat Deflection Temp	(°C)	130	220	176	130	150	150	150	150

Hot-pressed Magnets

Hot-pressed magnets are obtained by compacting with NdFeB crushed ribbon at high temperatures. It has the advantages including the high magnetic properties, the larger density and higher working temperature that can reach 200℃.

Hot-pressed magnet has been oriented during the compaction process to get the uniform magnetic properties, that allow the motor to run quietly and the torque output to be smooth. The magnets can be magnetized as customer's design, such as axial, radial, multi poles, multi poles with angle and other complex way. The main coating type is plating, epoxy and parylene.



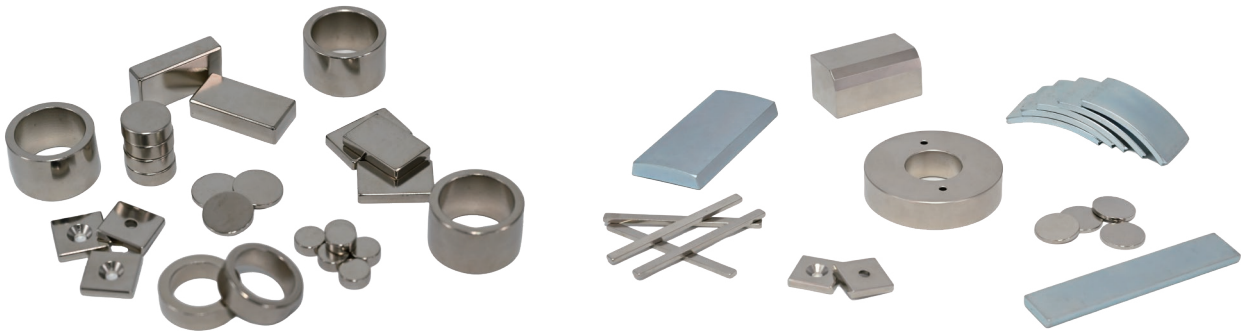
Hot-pressed Magnets

Grade		TNM-39	TNM-43	TNM-38H	TNM-35SH	TNM-38SH	TNM-35UH
Br	(mT)	1250-1320	1280-1350	1220-1300	1200-1280	1250-1320	1200-1280
Residual Induction	(kGs)	12.5-13.2	12.8-13.5	12.2-13.0	12.0-12.8	12.5-13.2	12.0-12.8
Hcb	(kA/m)	883-963	851-963	899-963	883-947	950-1030	883-947
Coercive Force	(kOe)	11.1-12.1	10.7-12.1	11.3-12.1	11.1-11.9	11.9-12.9	11.1-11.9
Hcj	(kA/m)	1034-1273	1034-1273	1273-1511	1432-1750	1440-1670	1829-2068
Intrinsic Coercive Force	(kOe)	13-16	13-16	16-19	18-22	18-21	22-26
(BH)max	(kJ/m ³)	294-318	318-350	278-318	262-294	288-310	262-294
Max Energy Product	(MGOe)	36-40	40-44	35-40	33-37	36-39	33-37
Hsat	(kOe)	≥25	≥25	≥25	≥30	≥30	≥30
Density	(g/cm ³)	7.6	7.6	7.6	7.6	7.6	7.6

The above just lists the basic properties, we can supply the customized products according to specifications

SINTERED NDFeB MAGNETS

Sintered NdFeB Magnets



Sintered NdFeB magnets has been commercially available since November of 1983. Sintered NdFeB magnets have the highest energy product in all magnetic materials today and are available in very wide range of shapes, sizes and grade.



Application

Sintered NdFeB magnets are widely used in Voice coil motors, high performance motors, brushless DC motors magnetic separation , magnetic resonance imaging, sensors and loudspeakers.



Sintered NdFeB Magnets

Grade	Residual Induction		Coercive Force		Intrinsic Coercive Force		Max Energy Product		Working Temp
	Br		Hcb		Hcj		(BH)max		Tw
	mT	KGs	kA/m	(kOe)	kA/m	(kOe)	kJ/m ³	(MGOe)	
N30	1080-1130	(10. 8-11. 3)	≥ 796	(≥ 10. 0)	≥ 955	(≥ 12)	223-247	(28-31)	≤80 °C
N33	1130-1180	(11. 3-11. 8)	≥ 836	(≥ 10. 5)	≥ 955	(≥ 12)	247-271	(31-34)	≤80 °C
N35	1180-1220	(11. 8-12. 2)	≥ 868	(≥ 10. 9)	≥ 955	(≥ 12)	263-287	(33-36)	≤80 °C
N38	1230-1260	(12. 3-12. 6)	≥ 876	(≥ 11. 0)	≥ 955	(≥ 12)	287-310	(36-39)	≤80 °C
N40	1260-1290	(12. 6-12. 9)	≥ 876	(≥ 11. 0)	≥ 955	(≥ 12)	302-326	(38-41)	≤80 °C
N42	1290-1320	(12. 9-13. 2)	≥ 876	(≥ 11. 0)	≥ 955	(≥ 12)	318-342	(40-43)	≤80 °C
N45	1320-1370	(13. 2-13. 7)	≥ 876	(≥ 11. 0)	≥ 955	(≥ 12)	342-366	(43-46)	≤80 °C
N48	1370-1430	(13. 7-14. 3)	≥ 876	(≥ 11. 0)	≥ 955	(≥ 12)	358-390	(45-49)	≤80 °C
N50	1400-1450	(14. 0-14. 5)	≥ 876	(≥ 11. 0)	≥ 955	(≥ 12)	374-406	(47-51)	≤80 °C
N52	1420-1480	(14. 2-14. 8)	≥ 836	(≥ 10. 5)	≥ 876	(≥ 11)	390-422	(49-53)	≤80 °C
N54	1450-1500	(14. 5-15. 0)	≥ 836	(≥ 10. 5)	≥ 876	(≥ 11)	406-438	(51-55)	≤80 °C
N56	1470-1500	(14. 7-15. 0)	≥ 836	(≥ 10. 5)	≥ 876	(≥ 11)	422-454	(53-57)	≤80 °C
N35M	1180-1230	(11. 8-12. 3)	≥ 860	(≥ 10. 8)	≥ 1114	(≥ 14)	263-287	(33-36)	≤100 °C
N38M	1230-1260	(12. 3-12. 6)	≥ 876	(≥ 11. 0)	≥ 1114	(≥ 14)	287-310	(36-39)	≤100 °C
N40M	1260-1290	(12. 6-12. 9)	≥ 907	(≥ 11. 4)	≥ 1114	(≥ 14)	302-326	(38-41)	≤100 °C
N42M	1290-1320	(12. 9-13. 2)	≥ 939	(≥ 11. 8)	≥ 1114	(≥ 14)	318-342	(40-43)	≤100 °C
N45M	1320-1370	(13. 2-13. 7)	≥ 971	(≥ 12. 2)	≥ 1114	(≥ 14)	342-366	(43-46)	≤100 °C
N48M	1370-1430	(13. 7-14. 3)	≥ 1011	(≥ 12. 7)	≥ 1114	(≥ 14)	358-390	(45-49)	≤100 °C
N50M	1400-1450	(14. 0-14. 5)	≥ 1035	(≥ 13. 0)	≥ 1114	(≥ 14)	374-406	(47-51)	≤100 °C
N52M	1420-1480	(14. 2-14. 8)	≥ 1051	(≥ 13. 2)	≥ 1114	(≥ 14)	390-422	(49-53)	≤100 °C
N54M	1440-1500	(14. 4-15. 0)	≥ 1059	(≥ 13. 3)	≥ 1114	(≥ 14)	398-438	(50-55)	≤100 °C
N33H	1130-1180	(11. 3-11. 8)	≥ 844	(≥ 10. 6)	≥ 1353	(≥ 17)	247-271	(31-34)	≤120 °C
N35H	1180-1230	(11. 8-12. 3)	≥ 876	(≥ 11. 0)	≥ 1353	(≥ 17)	263-287	(33-36)	≤120 °C
N38H	1230-1260	(12. 3-12. 6)	≥ 907	(≥ 11. 4)	≥ 1353	(≥ 17)	287-310	(36-39)	≤120 °C
N40H	1260-1290	(12. 6-12. 9)	≥ 931	(≥ 11. 7)	≥ 1353	(≥ 17)	302-326	(38-41)	≤120 °C
N42H	1290-1320	(12. 9-13. 2)	≥ 955	(≥ 12. 0)	≥ 1353	(≥ 17)	318-342	(40-43)	≤120 °C
N45H	1320-1370	(13. 2-13. 7)	≥ 995	(≥ 12. 5)	≥ 1353	(≥ 17)	342-366	(43-46)	≤120 °C
N48H	1370-1430	(13. 7-14. 3)	≥ 1019	(≥ 12. 8)	≥ 1353	(≥ 17)	358-390	(45-49)	≤120 °C
N50H	1400-1450	(14. 0-14. 5)	≥ 1035	(≥ 13. 0)	≥ 1274	(≥ 16)	374-406	(47-51)	≤120 °C
N52H	1420-1480	(14. 2-14. 8)	≥ 1043	(≥ 13. 1)	≥ 1274	(≥ 16)	390-422	(49-53)	≤120 °C
N54H	1440-1490	(14. 4-14. 9)	≥ 1051	(≥ 13. 2)	≥ 1274	(≥ 16)	398-438	(50-55)	≤120 °C

HOT-PRESSED MAGNETS

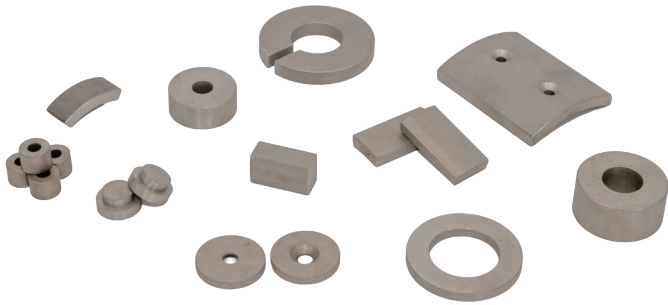
SINTERED NDFEB MAGNETS

Sintered NdFeB Magnets

SINTERED NDFEB MAGNETS

Grade	Residual Induction		Coercive Force		Intrinsic Coercive Force		Max Energy Product		Working Temp
	Br		Hcb		Hcj		(BH)max		Tw
	mT	KGs	kA/m	(kOe)	kA/m	(kOe)	kJ/m³	(MGOe)	
N33SH	1130-1180	(11.3-11.8)	≥ 836	(≥ 10.5)	≥ 1592	(≥ 20)	247-271	(31-34)	≤150 °C
N35SH	1180-1230	(11.8-12.3)	≥ 876	(≥ 11.0)	≥ 1592	(≥ 20)	263-287	(33-36)	≤150 °C
N38SH	1230-1260	(12.3-12.6)	≥ 884	(≥ 11.1)	≥ 1592	(≥ 20)	287-310	(36-39)	≤150 °C
N40SH	1260-1290	(12.6-12.9)	≥ 915	(≥ 11.5)	≥ 1592	(≥ 20)	302-326	(38-41)	≤150 °C
N42SH	1290-1320	(12.9-13.2)	≥ 955	(≥ 12.0)	≥ 1592	(≥ 20)	318-342	(40-43)	≤150 °C
N45SH	1320-1370	(13.2-13.7)	≥ 995	(≥ 12.5)	≥ 1592	(≥ 20)	342-366	(43-46)	≤150 °C
N48SH	1370-1430	(13.7-14.3)	≥ 1019	(≥ 12.8)	≥ 1512	(≥ 19)	358-390	(45-49)	≤150 °C
N50SH	1400-1450	(14.0-14.5)	≥ 1035	(≥ 13.0)	≥ 1512	(≥ 19)	374-406	(47-51)	≤150 °C
N52SH	1420-1480	(14.2-14.8)	≥ 1043	(≥ 13.1)	≥ 1512	(≥ 19)	390-422	(49-53)	≤150 °C
N54SH	1440-1500	(14.4-15.0)	≥ 1059	(≥ 13.3)	≥ 1512	(≥ 19)	398-438	(50-55)	≤150 °C
N30UH	1080-1130	(10.8-11.3)	≥ 756	(≥ 9.5)	≥ 1990	(≥ 25)	223-247	(28-31)	≤180 °C
N33UH	1130-1180	(11.3-11.8)	≥ 820	(≥ 10.3)	≥ 1990	(≥ 25)	247-271	(31-34)	≤180 °C
N35UH	1180-1230	(11.8-12.3)	≥ 844	(≥ 10.6)	≥ 1990	(≥ 25)	263-287	(33-36)	≤180 °C
N38UH	1230-1260	(12.3-12.6)	≥ 884	(≥ 11.1)	≥ 1990	(≥ 25)	287-310	(36-39)	≤180 °C
N40UH	1260-1290	(12.6-12.9)	≥ 915	(≥ 11.5)	≥ 1990	(≥ 25)	302-326	(38-41)	≤180 °C
N42UH	1290-1320	(12.9-13.2)	≥ 939	(≥ 11.8)	≥ 1990	(≥ 25)	318-342	(40-43)	≤180 °C
N45UH	1320-1360	(13.2-13.6)	≥ 971	(≥ 12.2)	≥ 1990	(≥ 25)	342-366	(43-46)	≤180 °C
N48UH	1360-1430	(13.6-14.3)	≥ 1019	(≥ 12.8)	≥ 1990	(≥ 25)	358-390	(45-49)	≤180 °C
N50UH	1400-1450	(14.0-14.5)	≥ 1035	(≥ 13.0)	≥ 1990	(≥ 25)	374-406	(47-51)	≤180 °C
N52UH	1420-1480	(14.2-14.8)	≥ 1043	(≥ 13.1)	≥ 1990	(≥ 25)	390-422	(49-53)	≤180 °C
N54UH	1440-1500	(14.4-15.0)	≥ 1059	(≥ 13.3)	≥ 1990	(≥ 25)	398-438	(50-55)	≤180 °C
N28EH	1040-1080	(10.4-10.8)	≥ 756	(≥ 9.5)	≥ 2388	(≥ 30)	207-231	(26-29)	≤200 °C
N30EH	1080-1130	(10.8-11.3)	≥ 756	(≥ 9.5)	≥ 2388	(≥ 30)	223-247	(28-31)	≤200 °C
N33EH	1130-1180	(11.3-11.8)	≥ 820	(≥ 10.3)	≥ 2388	(≥ 30)	247-271	(31-34)	≤200 °C
N35EH	1180-1220	(11.8-12.2)	≥ 884	(≥ 11.1)	≥ 2388	(≥ 30)	263-287	(33-36)	≤200 °C
N38EH	1220-1260	(12.2-12.6)	≥ 923	(≥ 11.6)	≥ 2388	(≥ 30)	279-310	(35-39)	≤200 °C
N40EH	1260-1290	(12.6-12.9)	≥ 947	(≥ 11.9)	≥ 2388	(≥ 30)	295-326	(37-41)	≤200 °C
N42EH	1290-1320	(12.9-13.2)	≥ 971	(≥ 12.2)	≥ 2308	(≥ 29)	310-342	(39-43)	≤200 °C
N45EH	1320-1360	(13.2-13.6)	≥ 979	(≥ 12.3)	≥ 2308	(≥ 29)	342-366	(43-46)	≤200 °C
N48EH	1360-1430	(13.6-14.3)	≥ 987	(≥ 12.4)	≥ 2308	(≥ 29)	358-390	(45-49)	≤200 °C
N28AH	1040-1080	(10.4-10.8)	≥ 756	(≥ 9.5)	≥ 2786	(≥ 35)	207-231	(26-29)	≤230 °C
N30AH	1080-1130	(10.8-11.3)	≥ 804	(≥ 10.1)	≥ 2786	(≥ 35)	223-247	(28-31)	≤230 °C
N33AH	1130-1180	(11.3-11.8)	≥ 812	(≥ 10.2)	≥ 2786	(≥ 35)	247-271	(31-34)	≤230 °C
N35AH	1180-1220	(11.8-12.2)	≥ 844	(≥ 10.6)	≥ 2786	(≥ 35)	263-287	(33-36)	≤230 °C
N38AH	1220-1260	(12.2-12.6)	≥ 860	(≥ 10.8)	≥ 2786	(≥ 35)	287-310	(36-39)	≤230 °C
N40AH	1260-1290	(12.6-12.9)	≥ 876	(≥ 11.0)	≥ 2786	(≥ 35)	295-326	(37-41)	≤230 °C

SmCo Magnets



Samarium cobalt (SmCo) magnets, offer the designer atremendous combination of extremely high magnetic properties, outstanding thermal stability and excellentcorrosion resistance. These characteristics make SmCo the ideal material in applications such as servo-motors,pump couplings, and sensors, particularly where the magnet is required to operate at high temperatures, acrossa broad temperature range or in a corrosive environment.

Material	Grade	Remanence	Hcb Coercivity	Hcj Intrinsic Coercivity	Maximum Energy Product	TW	a(Br) (20°C-150°C)
		kGs	kOe	kOe	MGOe	°C	%/°C
SmCo5	XG6	5.0-5.8	4.7-5.7	>20	6-8	250	-0.04
	XG8	5.8-6.5	5.4-6.4	>20	8-10		
	XG10	6.4-7.2	6.0-7.1	>20	10-12		
	XG12	7.0-7..6	6.5-7.4	>20	12-14		
	XG14	7.5-8.2	7.0-8.0	>20	14-16		
	XG16	7.7-8.6	7.2-8.4	>20	15-18		
	XG18	8.2-9.0	7.8-8.8	>20	16-20		
	XG20	8.6-9.2	8.2-9.0	>20	18-21		
	XG22	9.0-9.5	8.5-9.3	>20	20-23		
	XG24	9.5-9.8	8.6-9.2	>20	22-24		
	XG26	>9.8	>9.0	>18	24-26		
Sm2Co17	XGS6	5.0-5.8	4.7-5.7	>18	6-8	350	-0.035
	XGS8	5.8-6..5	5.4-6.4	>18	8-10		
	XGS10	6.4-7.2	6.0-7.1	>18	10-12		
	XGS12	7.0-7.6	6.5-7.4	>18	12-14		
	XGS14	7.5-8.2	7.0-8.0	>18	14-16		
	XGS16	7.7-8.6	7.2-8.4	>18	15-18		
	XGS18	8.2-9.0	7.8-8.8	>18	16-20		
	XGS20L	9.0-9.7	4.5-9.2	5-18	18-22		
	XGS20	8.6-9.4	7.8-9.2	18-25	18-22		
	XGS20H	8.6-9.4	8.8-9.2	>25	18-22		
	XGS22L	9.0-9.7	4.5-9.0	5-18	20-24		

SMCO MAGNETS

Materia	Grade	Remanence	Hcb Coercivity	Hcj Intrinsic Coercivity	Maximum Energy Product	TW	a(Br) (20℃~150℃)
		kGs	kOe	kOe	MGOe	℃	%/℃
Sm2Co17	XGS22	9.0~9.7	8.3~9.5	28~25	20~24	350	-0.035
	XGS22H	9.0~9.7	8.3~9.5	>25	20~24		
	XGS24L	9.5~10	4.5~9.5	5~18	22~26		
	XGS24	9.5~10	8.6~9.7	18~25	22~26		
	XGS24H	9.5~10	8.6~9.7	>25	22~26		
Sm2Co17	XGS26L	10~10.4	4.5~10.0	5~18	24~27	350	-0.035
	XGS26	10~10.4	9.0~10.1	18~25	24~27		
	XGS26H	10~10.4	9.0~10.1	>25	24~27		
	XGS28L	10.4~10.8	4.5~10.1	5~18	26~28		
	XGS28	10.4~10.8	9.5~10.5	18~25	26~28		
	XGS28H	10.4~10.8	9.5~10.5	>25	26~28		
	XGS30L	10.8~11.1	4.5~10.5	5~18	28~30		
	XGS30	10.8~11.1	9.8~10.8	18~25	28~30		
	XGS30H	10.8~11.1	9.8~10.8	>25	28~30		
	XGS32L	11.1~11.4	4.5~10.8	5~18	30~32		
	XGS32	11.1~11.4	10.1~11.0	18~25	30~32		
	XGS32H	11.1~11.4	10.1~11.0	>25	30~32		
	XGS33L	11.3~11.5	4.5~11.0	5~18	31~33		
	XGS33	11.3~11.5	10.4~11.2	18~25	31~33		
	XGS33H	11.3~11.5	10.4~11.2	>25	31~33		
	XGS34L	11.40~11.7	4.5~11.0	5~18	32~34		
	XGS34	11.40~11.7	10.4~11.4	18~25	32~34		
	XGS34H	11.40~11.7	10.4~11.4	>25	32~34		
	XGS35L	11.6~11.9	4.5~11.2	5~18	33~35		
	XGS35	XGS35	10.6~11.5	18~25	33~35		
	XGS35H	11.6~11.9	10.6~11.5	>25	33~35		
	XGS36L	11.8~12.3	4.5~11.5	5~18	34~36		
	XGS36	11.8~12.3	10.9~11.6	18~25	34~36		
	XGS36H	11.8~12.3	10.9~11.6	>25	34~36		
Low Temp. Co eff.SM2 Co17	XGS16LT	7.7~8.2	6.8~7.6	>20	14~16		± 0.035
	XGS18LT	8.2~8.6	7.4~8.2	>20	16~18		
	XGS20LT	8.6~9.2	7.8~8.6	7.8~8.6	18~20		
	XGS22LT	9.2~9.7	8.2~9.2	8.2~9.2	20~22		-0.005
	XGS24LT	>9.5	>8.7	>8.7	22~24		
High tempera ture resista nceSm2C	XGS20HT	8.6~9.2	7.8~8.8	7.8~8.8	28~20	550	-0.035
	XGS22HT	9.2~9.7	9.2~9.7	9.2~9.7	20~22		
	XGS24HT	9.5~10	9.5~10	9.5~10	22~24		
	XGS26HT	>10.0	>10.0	>10.0	24~27		

NOTE: 1T=10kGs=10000 Gs ; 10000 Gs ; 1 kOe = 79.6 kA/m ; 1 MGOe = 7.96 kJ/m3