China Rare Earth Magnet, Manufacturer, Supplier, Factory, Exporter in china

Rare Earth Magnet

Neodymium Iron Boron (NdFeB) and Samarium Cobalt (SmCo) are called Rare Earth because Neodymium and Samarium are found in the rare earth elements on the periodic table. Both Neodymium and Samarium Cobalt alloys are powdered metals which are compacted in the presence of a magnetic field and are then sintered.

Neodymium (Rare Earth)

Neodymium, or Neo, is made up of Neodymium Iron and Boron and is moderate in price. With poor corrosion resistance this alloy is usually plated or coated (Examples: Nickel Plated, Epoxy Coated, Parylene Coated). Neodymium is offered in a range of operating temperatures depending on your application (80·C to 200·C). Premium Neodymium Alloys capable of operating above 120·C can become quite expensive. This permanent magnet material has many intellectual property rights associated with it and there are a limited number of licensed manufacturers in the world. Many infringing manufacturers from the Pacific-rim dump sub par material into the Western markets. This magnet material is extremely powerful and it has allowed for the miniaturization of many products from HDD (Hard Disc Drives) and motors to novelties and audio devices. Neodymium permanent magnets usually offer the best value when comparing price and performance.

Samarium Cobalt (Rare Earth)

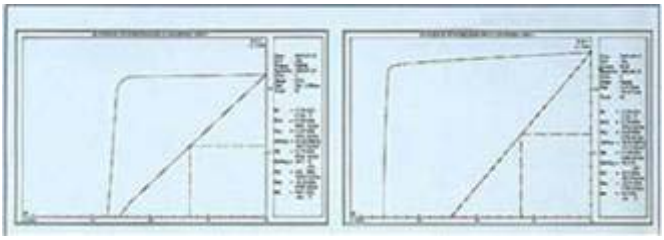
Samarium Cobalt is made up of largely Samarium and Cobalt and it is the most expensive magnet material to manufacture and to fabricate. Most of the cost is due to the high Cobalt content and the brittle nature of the alloy. This permanent magnet material offers high resistance to corrosion and it can withstand high operating temperatures, up to 350·C. This material is used extensively in the aerospace market or in areas of industry where performance is the priority concern and cost is secondary. Samarium Cobalt is the second most powerful magnet material and it exhibits excellent resistance to demagnetizationv

Performance Materials NO	Materials	Remanence Br		Coercive Force Hcb		Intrinsic Coercive force Hci	Max Energy Product (Bh)max			Square Degress Hk/Hcj		Highest Work temperature
		KG	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m	Block	Cylinder	·C
1	N-35	11.4-11.8	1.18-1.28	>=10.8	>=836	>=12	>=955	33-36	263-287	>=90%	>=86.8%	80
2	N-38	11.8-12.3	1.18-1.28	>=10.8	>=860	>=12	>=955	36-39	287-310	>=90%	>=86.8%	80
3	N-40	12.7-12.9	1.27-1.29	>=11.0	>=876	>=12	>=955	1. 38-41	303-326	>=90%	>=86.8%	80
4	N-42	12.9-13.3	1.29-1.33	>=10.5	>=836	>=12	>=955	40-43	318-342	>=90%	>=86.8%	80
5	N-45	13.3-13.8	1.33-1.38	>=9.5	>=756	>=12	>=955	43-46	342-366	>=90%	>=86.8%	80
6	N-48	13.8-14.2	1.38-1.42	>=10.5	>=835	>=12	>=955	46-49	366-390	>=90%	>=86.8%	80
7	N-50	13.8-	1.37-	>=10.5	>=835	>=11	>=955	47-51	374-406	>=90%	>=86.8%	80

		14.5	1.45									
8	N-52	14.3-14.8	1.43-1.48	>=10.8	>=860	>=11	>=876	50-13	395-422	>=90%	>=86.8%	80
9	33M	11.4-11.8	1.14-1.18	>=10.3	>=820	>=14	>=1114	31-33	247-263	>=90%	>=86.8%	100
10	35M	11.8-12.3	1.18-1.23	>=10.8	>=860	>=14	>=1114	33-36	263-287	>=90%	>=86.8%	100
11	38M	12.3-12.7	1.23-1.27	>=11.0	>=876	>=14	>=1114	38-41	303-326	>=90%	>=86.8%	100
12	40M	12.7-12.9	1.27-1.29	>=11.4	>=907	>=14	>=1114	38-41	303-326	>=90%	>=86.8%	100
13	42M	12.8-13.2	1.28-1.32	>=11.6	>=923	>=14	>=1114	40-43	318-342	>=90%	>=86.8%	100
14	45M	13.2-13.8	1.32-1.38	>=11.8	>=939	>=14	>=1114	43-46	342-366	>=90%	>=86.8%	100
15	48M	13.6-14.0	1.36-1.40	>=11.8	>=939	>=14	>=1114	46-49	366-390	>=90%	>=86.8%	100
16	50M	14.0-14.5	1.40-1.45	>=13.0	>=1033	>=17	>=1114	48-51	382-406	>=90%	>=86.8%	100
17	30H	10.8-11.4	1.08-1.14	>=10.2	>=812	>=17	>=1353	28-31	223-247	>=90%	>=86.8%	120
18	33H	11.4-11.8	1.14-1.18	>=10.6	>=844	>=17	>=1353	31-33	247-263	>=90%	>=86.8%	120
19	35H	11.8-123	1.18-1.28	>=11.0	>=876	>=17	>=1353	33-36	263-287	>=90%	>=86.8%	120
20	38H	12.3-12.7	1.23-1.27	>=11.2	>=890	>=17	>=1353	36-39	287-310	>=90%	>=86.8%	120
21	40H	12.7-12.9	1.27-1.29	>=11.5	>=915	>=17	>=1353	38-41	303-326	>=90%	>=86.8%	120
22	42H	12.8-13.2	1.28-1.32	>=12.0	>=955	>=17	>=1353	40-43	318-342	>=90%	>=86.8%	120
23	45H	13.2-13.5	1.32-1.38	>=12.0	>=955	>=17	>=1353	42-46	335-366	>=90%	>=86.8%	120
24	46H	13.3-13.8	1.33-13.8	>=12.2	>=972	>=16	>=1274	44-47	350-374	>=90%	>=86.8%	120

Performance Materials NO	Materials	Remanence Br		Coercive Force Hcb		Intrinsic Coercive force Hci		Max Energy Product (Bh)max		Square Degress Hk/Hcj		Highest Work temperature
		KG	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m	Block	Cylinder	·C
25	48H	113.6-14.3	1.36-1.42	>=12.5	>=996	>=16	>=1274	46-49	366-390	>=90%	>=86.8%	120

26	30SH	10.8-11.4	1.08-1.14	>=10.0	>=796	>=20	>=1672	28-31	223-247	>=90%	>=86.8%	150
27	33SH	11.4-11.8	1.14-1.18	>=10.5	>=836	>=20	>=1672	1. 31-34	247-276	>=90%	>=86.8%	150
28	35SH	11.8-12.3	1.18-1.23	>=11.0	>=876	>=20	>=1672	33-36	263-287	>=90%	>=86.8%	150
29	38SH	12.3-12.7	1.23-1.27	>=11.4	>=907	>=20	>=1972	36-39	287-310	>=90%	>=86.8%	150
30	40SH	12.5-12.8	1.25-1.28	>=11.8	>=939	>=20	>=1972	39-41	302--326	>=90%	>=86.8%	150
31	42SH	12.8-13.2	1.28-1.32	>=11.8	>=939	>=20	>=1672	40-43	320-343	>=90%	>=86.8%	150
32	45SH	13.2-13.8	1.32-1.38	>=12.6	>=1003	>=20	>=1592	43-46	342-366	>=90%	>=86.8%	150
33	30UH	10.8-11.4	1.08-1.14	>=10.2	>=812	>=25	>=1990	28-31	223-247	>=90%	>=86.8%	180
34	33UH	11.3-11.7	1.13-1.17	>=10.7	>=852	>=25	>=1990	31-33	247-263	>=90%	>=86.8%	180
35	35UH	11.7-12.1	1.17-1.21	>=10.7	>=852	>=25	>=1990	33-36	263-287	>=90%	>=86.8%	180
36	38UH	12.1-12.5	1.21-1.25	>=11.4	>=907	>=25	>=1990	36-39	287-310	>=90%	>=86.8%	180
37	40UH	12.5-12.8	1.25-1.28	>=11.4	>=907	>=30	>=1990	38-41	302-326	>=90%	>=86.8%	180
38	28EH	10.5-10.8	1.05-1.08	>=9.5	>=756	>=30	>=2388	26-29	207-231	>=90%	>=86.8%	200
39	30EH	10.8-11.4	1.08-1.14	>=9.5	>=756	>=30	>=2388	28-31	223-241	>=90%	>=86.8%	200
40	33EH	11.3-11.7	1.13-1.17	>=10.2	>=812	>=30	>=2388	31-33	247-263	>=90%	>=86.8%	200
41	35EH	11.7-12.1	1.17-1.21	>=10.2	>=812	>=30	>=2388	33-36	263-287	>=90%	>=86.8%	200
42	38E	12.1-12.5	1.21-1.25	>=11.4	>=907	>=30	>=2388	36-39	287-310	>=90%	>=86.8%	200
43	30AH	10.8-11.3	1.08-1.13	>=10.2	>=812	>=35	>=2785	28-32	223-255	>=90%	>=86.8%	220
44	33AH	11.2-11.7	1.12-1.17	>=10.2	>=812	>=35	>=2785	31-34	247-271	>=90%	>=86.8%	220



Note: 1. The above-mentioned data of magnetic parameters and physical properties
are given at room temperature.
2. The maximun service temperature of magnet is changeable due to the ratio

NdFeB Magnet

Magnetic Separator,Magnetic drum separators , Overband magnetic separators , Used magnetic separators , Eriez magnetic separator , Bullet Magnet,Magnetic bullet , Magnetic bullet holes , Magnetic bullet trains , Are bullets magnetic , Permanent Magnetic Separator,Cross-belt Permanent Magnetic Separator , Permanent magnetic motor , Permanent magnetic field , Permanent magnetic generator , Make permanent magnets , Permanent magnetic chuck , Permanent magnetic lifter , Hump Magnets,Magnets Hump , Magnetic Bar,Bar magnets , magnetic stir bar , magnetic field bar , magnetic knife bar , magnetic towel bar , magnetic stirring bar , two bar magnets , alnico bar magnets , Magnetic Drawer,Magnetic draw , Magnetic drawer locks , Mount magnetic drawer , Magnetic Grate,Grate magnets , Magnetic grates , Magnetic Liquid Traps,Liquid Line Magnetic Traps , Plate Magnets,Magnetic plate , Magnetic l plates , Mgnetic plates , Magnetic sine plate , Magnetic kick plate , **Magnetic Material**,Magnets Material , Magnetic Materials , Alnico Magnets,Powerfull Alnico magnets , Alnico Magnet Information , Ceramic Magnets,Iron Boron Ceramic Magnet , Ceramic ring magnets , Ceramic disc magnets , Ceramic block magnets , Flexible Magnets,Flexible magnetic sheet , Flexible magnetic tape , Flexible magnetic , Flexible magnetic sheets , Rare Earth Magnet,Neodymium rare earth magnets , Buy rare earth magnets , large rare earth magnets , Smco Magnets,Samarium Cobalt magnet , **Magnetic Assemblies**,Magnetic self assembly , Magnets assembly , Assembly now it's magnetic , Lifting Magnets,Lift magnets , Lifting electromagnet , Electromagnet lift , Plate lifting magnets , Magnetic Tools,Magnetic lasso tool , Magnetic tool holder , Non magnetic tools , Magnetic tool bar , Magnetic tool tray , Magnetic tool rack , Ainico Pot Magnet,Sintered AlNiCo magnets , Ferrite Pot Magnet,Pot magnet ferrite , Rare Earth Pot Magnet,Smco Pot magnets,NdFeB Pot Magnets,Channel Magnets,Discovery channel magnetic , **Magnetic Products**,Magnetic therapy products , Magnet therapy products , Magnetic health products , Cow Magnet,Magnetic cow , Magnets in cows , Cow stomach Magnets , Cows magnets , Cow fridge magnets , Magnets for cows , Magnetic Name Badge,Magnetic name badge holders , Name badge magnets , Custom magnetic name badges , Magnets for name badges , Magnetic Memo Holder,Magnetic memo holders , Magnetic memo holders ,

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