

NdFeB Magnet

NdFeB Rare Earth Magnets:

Rare Earth Magnets are including **Neodymium(Nd) -Iron(Fe)-Boron(B)** types and **Samarium(Sm)- Cobalt(Co)** classes. The most commonly produced material is neodymium-iron-boron (NdFeB). This group of magnetic materials provides the highest available magnetic energies of any material. NdFeB magnets allow small shapes and sizes with high magnetic fields. Energy product range from 26 MGOe to about 45 MGOe.

Super-Strength Rare Earth Magnet----Sintered NdFeB magnets, have the characteristics of :

- *Extreme strong Br Resident induction.
- *Excellent demagnetization resistance capability.
- *Good Price relative to its high magnetic properties.
- *Coating is needed for NdFeB

Surface Treatment Method: Type Information





Metallic Zinc, Nickel, Nickel+Nickel, Copper+Nickel, Nickel+Copper+Nickel,

Gold, Organic Epoxy, Nickel+Epoxy coating

Temporary Surface: Passivation

Both NdFeB and SmCo are available in sintered as well as bonded forms. Sintered NdFeB parts however, will produce the highest magnetic properties. NdFeB is sensitive to heat and should not be used in the environments that exceed 200°C. Bonded NdFeB are generally low in properties due to the special process of gluing the powder in a mold. The bonded form of the material can be produced with close tolerance off tools with little or no finishing required. The sintered form usually some finishing operations in order to hold close mechanical tolerances.



-  [Characteristics of Sintered NdFeB](#)
-  [Demagnetization Curves of Sintered NdFeB](#)
-  [Products Pictures of Sintered NdFeB](#)
-  [Bonded NdFeB](#)
-  [Other Information for Permanent Magnets](#)

[Home](#)

[AlNiCo magnet](#)

[SmCo magnet](#) [Ferrite magnet](#)

[Permanent magnet](#) || [Ferrite magnet](#) || [Flexible magnet](#) || [Bonded magnet](#) || [NdfeB magnet](#) / [Bonded NdFeB magnets](#)

[AlNiCo magnets](#) / [AlNiCo Bonded magnets](#) / [Sintered AlNiCo](#) || [SmCo magnet](#) / [Bonded SmCo magnet](#)

[Ferrite cores](#) / [NiZn core](#) / [NiCuZn core](#) / [Iron Powder core](#) || [magnetizer](#) / [Tesla Meter](#)

[Magnetic Powder](#) / [Ferrite powder](#) / [NdFeB powder](#) / [AlNiCo powder](#)



Micro-Magnet Technology Co.,Ltd.

[Home](#)

Copy Right 2001 YUXIANG Magnetic Materials Ind. Co.,Ltd. All Rights Reserved

Add :F/16, Jinyuan plaza, # 57 South Hubin.Road, Xiamen, CHINA 361004

Tel : (86)592 2295387 (86)592 2217138 Fax: (86)592 2207122

Email : yingli@magnets.com.cn