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Coercivity

Understanding the coercivity or demagnetization of magnets and other materials and equipment that surrounds use is necessary when working with magnets. This is the process when a magnetic field is reduced or eliminated, which can happen with heat at the curie temperature, or with an electric coil. The curie temperature is the point where the materials magnetivity is eliminated. In addition, some permanent magnets influence or weaken another. (See table below) Once such case is the ceramic, including flexible-type, and samarium magnets are demagnetized by neodymium magnets.

Comparison Table of Magnets

Magnet Type	***Mechanical Shock***	***Heat***	***Moisture***	***Demagnetizing Field***
Ferrite / Ceramic	Brittle and chip or crack easily	Maximum working temperature is 300 C (572 F).	Resistant to corrosion	Keep away from Rare earth magnets.
Flexible	Very resistant	The maximum working temperature for flexible magnets is about 180C (356F)	Resistant to corrosion	Keep away from Rare earth magnets. Demagnetized by passing it over a stronger magnet
Alnico	Very resistant	Maximum working temperature is 540 C (1004 degrees F). The Curie Temperature for alnico magnets is a blistering 860C (1580F).	Resistant to corrosion	Can be easily demagnetized. When repeteively placed north pole to north pole ends together, it quickly weakens itself.
Neodymium	Brittle and chip or crack easily. Best to separate with a cushioning material.	Maximum working temperature is only 150 degrees C (302 degrees F). The Curie Temperature for NdFeB magnets is 310C (590F).	Corrodes easily and requires a coating.	Tough to demagnetize. This also means that they can easily demagnetize other classes of magnets like SmCo or Alnico or Ferrite.
Samarium	Brittle and chip or crack easily. Best to separate with a cushioning material.	Maximum working temperature is 300 C (572 F). The Curie Temperature for SmCo magnets is 750C (1382F). Very respectable for a sintered magnet.	Relative resistant to corrosion.	Can be demagnetized by NdFeB magnets. But they do not weaker others.