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	Neodymium
Chemical structure	$Nd_2Fe_{14}B$
Date	1985
Method of manufacture	Sintered or Bonded,
Structure	Multi-phase structure, tetragonal crystal structure
Demagnetizing	Tough to demagnetize. This also means that they can easily demagnetize other classes of magnets like SmCo or Alnico or Ferrite.
Heat Tolerance	Maximum working temperature is only 150 degrees C (302 degrees F). The Curie Temperature for NdFeB magnets is 310C (590F).
Moisture / Oxidation	Corrodes easily and requires a coating. A coating is necessary to prevent oxidation.
Mechanical Shock	Brittle and chip or crack easily. Best to separate with a cushioning material.
Storage	Group by size; stack, orienting north to south; place separator between
Common use and comments	Used predominately in the Green energy, hybrid cars, wind turbines, earphones, and cell phones. Tough to demagnetize. However, they can easily demagnetize other classes of magnets like SmCo or Alnico, or Ferrite.