

Material information

| Material overview | | | | | | | | | | | | |
|-------------------|--------|-----------|------|---------------------------------|-----|------------|------|------------|------|--------------------------|-----|--------------|
| Average values | | Remanence | | Energy product | | Coercivity | | Coercivity | | max. working temperature | | Temp. coeff. |
| | | Br (mT) | | (BxH) max. (kJ/m ³) | | Hcb (kA/m) | | Hcj (kA/m) | | T (°C) | | of Br |
| Material | abbr. | from | to | from | to | from | to | from | to | from | to | %/°C |
| Neodymium | NdFeB | 1100 | 1500 | 200 | 400 | 800 | 1100 | 1000 | 3000 | 50 | 230 | -0.10 |
| Samarium Cobalt | SmCo | 750 | 1200 | 110 | 248 | 440 | 820 | 520 | 2400 | 250 | 350 | -0.03 |
| AlNiCo | AlNiCo | 520 | 1350 | 8 | 82 | 40 | 175 | 43 | 140 | 450 | 550 | -0.02 |
| Hard Ferrite | HF | 215 | 440 | 8 | 36 | 135 | 333 | 160 | 400 | ***** | 250 | -0.20 |
| Neodymium * | NdFeBp | 350 | 900 | 24 | 96 | 175 | 480 | 223 | 1100 | 80 | 130 | -0.10 |
| Samarium Cobalt * | SmCop | 480 | 640 | 40 | 80 | 270 | 480 | 450 | 2400 | 80 | 100 | -0.03 |
| Hard Ferrite * | HFp | 50 | 295 | 0.6 | 17 | 40 | 208 | 170 | 296 | 80 | 130 | -0.20 |
| Rubber Ferrite | PLF | 130 | 265 | 4 | 13 | 80 | 181 | 100 | 270 | 70 | 150 | -0.20 |

* Plastic bonded
 other materials on request

