



SINTERED ALNICO MAGNET MATERIAL CHARACTERISTICS

Sintered Alnico Magnets

| Material & Grade | Max. Energy Product | | Remanence | | Coercive Force | | | | Rev. Temp. Coeff. | Curie Temp. | Density |
|------------------|---------------------|-------------------|----------------|------|----------------|------|-----------------|------|-------------------|----------------|-------------------|
| | (BH) max | | B _r | | H _c | | H _{ci} | | % / °C | T _c | D |
| | MGOe | kJ/m ³ | kG | mT | Oe | kA/m | Oe | kA/m | % / °K | °C | g/cm ³ |
| Alnico 2 | 1.5 | 12.0 | 7.1 | 710 | 550 | 44 | 570 | 45 | -0.014 | 810 | 7.0 |
| Alnico 5 | 3.9 | 31.2 | 10.5 | 1050 | 590 | 47 | 600 | 48 | -0.016 | 810 | 6.9 |
| Alnico 6 | 3.0 | 23.8 | 10.0 | 1000 | 700 | 56 | 710 | 57 | -0.020 | 860 | 7.3 |
| Alnico 8 | 4.0 | 32.0 | 8.0 | 800 | 1550 | 123 | 1600 | 128 | -0.020 | 860 | 7.3 |
| Alnico8HC | 4.5 | 36.0 | 6.5 | 650 | 1700 | 136 | 1880 | 150 | -0.020 | 860 | 7.3 |