



neorem magnets

Characteristic physical properties of sintered NdFeB magnet material at 20°C

Density	7,6	g/cm ³
Vickers hardness	600	HV
Flexural strength	240	MPa
Tensile strength	75	MPa
Young's modulus	150 000	MPa
Curie temperature	310	°C
Specific electrical resistivity	1,2...1,6	μΩm
Specific heat	450	J/(kg.K)
Thermal conductivity	8...9	W/(m.K)
Coefficient of thermal expansion parallel to magnetization direction	5...7	10 ⁻⁶ /K
Coefficient of thermal expansion perpendicular to magnetization direction	-3...-1	10 ⁻⁶ /K