

Main Mechanical & Physical Properties of Sintered NdFeB Magnet

Item	Unit	Value	
Recoil Permeability	/	1.05	
Curie Temp.	°C	310-350	
Max. Working Temp,	°C	80-230	
Rever. Temp. Coeff. of Br	%/°C	-0.13 to -0.09	
Rever. Temp. Coeff. of Hcj	%/°C	-0.70 to -0.45	
Density	g/cm ³	7.4-7.6	
Vickers Hardness	Hv	560-600	
Elasticity Modulus	kN/mm ²	140-170	
Flexural Strength	N/mm ²	120-400	
Compressive Strength	N/mm ²	850-1050	
Coeff. of Thermal Expansion	(C ⊥)	10 ⁻⁶ /°C	-2 to 0
	(C ‖)	10 ⁻⁶ /°C	4-9
Specific Electric Resistance	10 ⁻⁶ Ω.m	1.3-1.6	
Specific Heat Capacity	J/(kg.°C)	350-500	
Thermal Conductivity	W/(m.°C)	5-15	