

Ceramic



Grade	Maximum Energy Product	Residual Induction	Minimum Intrinsic Coercivity	Coercivity	Maximum Operating Temp	Curie Temp	Coefficient Induction [20-150 °C]	Coefficient Coercivity [20-150 °C]
	BH_{max}	B_r	H_{ci}	H_c	T_{mo}	T_c	α	β
	kJ/m³	mT	kA/m	kA/m	°C	°C	% / °C	% / °C
HF010	8.8	230	254.6	159.2	250	450	-0.20	0.35
HF050	27.1	380	198.9	191.0	250	450	-0.20	0.35
HF070	22.3	340	318.3	246.7	250	450	-0.20	0.35
HF081	27.9	385	246.7	230.8	250	450	-0.20	0.35
HF082	27.1	380	310.4	274.5	250	450	-0.20	0.35
HF083	31.8	410	230.8	226.8	250	450	-0.20	0.35
HF084	26.3	370	382.0	278.5	250	450	-0.20	0.35
HF085	30.2	400	318.3	286.5	250	450	-0.20	0.35

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Typical Physical Properties	
Curie Temperature	450 – 460 °C
Coefficient of Thermal Expansion	+7.0 – +15.0 x 10 ⁻⁶ °C ⁻¹
Electrical Resistivity	>10 ¹⁰ μΩ·cm
Density	4.5 – 5.1 g·cm ⁻³
Vickers Hardness	480-580 H _V
Young's Modulus	170 kN·mm ⁻²
Bending Strength	0.05 – 0.09 kN·mm ⁻²
Compressive strength	1.3 kN·mm ⁻²
Tensile Strength	0.02 – 0.05 kN·mm ⁻²