



MATERIAL DATA

Magnetic values		20°C	
Maximum Energy Product BH_{max}	Typ	KJ/m^3	279
	Min	KJ/m^3	263
Remanence B_r	Typ	mT	1205
	Min		1170
Reversible temp coefficient of B_r	Typ	-%/°C	0.08
Reversible temp coefficient of H_{cj}	Typ	-%/°C	0.45
Coercivity	H_{cb} Typ	kA/m	915
	H_{cb} Min	kA/m	868
	H_{cj} Typ	kA/m	2786
	H_{cj} Min	kA/m	2786
Curie temperature	Min	°C	380
Max operating temp	Typ	°C	200
Magnetising field strength	Typ	kA/m	10000

Mechanical values		20°C	
Density	Typ	g/cm^3	7.50
Hardness	Typ	HV	500 - 520
Elasticity Modulus	Typ	10^3N/mm^2	135
Compressive Strength	Typ	N/mm^2	980
Flexural Strength	Typ	N/mm^2	260
Spec. Heat Capacity	Typ	J/(kg-K)	410
Thermal Conductivity	Typ	W/mK	7