



MATERIAL DATA

Magnetic values		20°C	
Maximum Energy Product $BH_{(max)}$	Typ	kJ/m^3	414
	Min	kJ/m^3	398
Remanence B_r	Typ	mT	1470
	Min		1440
Reversible temp coefficient of B_r	Typ	$-\%/^{\circ}\text{C}$	0.12
Reversible temp coefficient of H_{cj}	Typ	$-\%/^{\circ}\text{C}$	0.85
Coercivity	H_{cb} Typ	kA/m	1126
	H_{cb} Min	kA/m	1082
	H_{cj} Typ	kA/m	876
	H_{cj} Min	kA/m	876
Curie temperature	Min	$^{\circ}\text{C}$	320
Max operating temp	Typ	$^{\circ}\text{C}$	80
Magnetising field strength	Typ	kA/m	2500

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	$\text{J}/(\text{kg}\cdot\text{K})$	410
Thermal Conductivity	Typ	W/mK	7