



MATERIAL DATA

Magnetic values			20°C
Maximum Energy Product	Typ	KJ/m ³	19.9
BH _(max)	Min	KJ/m ³	18.3
Remanence	Typ	mT	330
Br	Min		320
Reversible temp coefficient of Br	Typ	-%/°C	-0.19
Reversible temp coefficient of Hcj	Typ	-%/°C	0.3
Coercivity Hc	H _{cb} Typ	kA/m	151
	H _{cb} Min	kA/m	135
	H _{cj} Typ	kA/m	155.5
	H _{cj} Min	kA/m	140
Curie temperature	Min	°C	450
Max operating temp	Typ	°C	250
Magnetising field strength	Typ	kA/m	1000

Mechanical values			20°C
Density	Typ	g/cm ³	4.80
Hardness	Typ	HV	490 - 570
Elasticity Modulus	Typ	10 ³ N/mm ²	140
Compressive Strength	Typ	N/mm ²	680
Tensile Strength	Typ	N/mm ²	45
Flexural Strength	Typ	N/mm ²	58
Spec. Heat Capacity	Typ	J/(kg·K)	630
Thermal Conductivity	Typ	W/mK	3.7