



MATERIAL DATA

Magnetic values			20°C
Maximum Energy Product	Typ	KJ/m ³	31.2
BH _(max)	Min	KJ/m ³	29.6
Remanence	Typ	mT	410
Br	Min		400
Reversible temp coefficient of Br	Typ	-%/°C	-0.19
Reversible temp coefficient of H _{cj}	Typ	-%/°C	0.3
Coercivity H _c	H _{cb} Typ	kA/m	227
	H _{cb} Min	kA/m	215
	H _{cj} Typ	kA/m	231
	H _{cj} Min	kA/m	219
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