



**MATERIAL DATA**

Magnetic values			20°C
Maximum Energy Product	Typ	KJ/m <sup>3</sup>	39.7
BH <sub>(max)</sub>	Min	KJ/m <sup>3</sup>	37.6
Remanence	Typ	mT	455
Br	Min		450
Reversible temp coefficient of Br	Typ	-%/°C	-0.19
Reversible temp coefficient of Hcj	Typ	-%/°C	0.3
Coercivity Hc	H <sub>cb</sub> Typ	kA/m	347
	H <sub>cb</sub> Min	kA/m	330
	H <sub>cj</sub> Typ	kA/m	350
	H <sub>cj</sub> Min	kA/m	340
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 <sup>3</sup>	4.80
Hardness	Typ	HV	490 - 570
Elasticity Modulus	Typ	10 <sup>3</sup> N/mm <sup>2</sup>	140
Compressive Strength	Typ	N/mm <sup>2</sup>	680
Tensile Strength	Typ	N/mm <sup>2</sup>	45
Flexural Strength	Typ	N/mm <sup>2</sup>	58
Spec. Heat Capacity	Typ	J/(kg·K)	630
Thermal Conductivity	Typ	W/mK	3.7