



**MATERIAL DATA**

Magnetic values			20°C
Maximum Energy Product	Typ	KJ/m <sup>3</sup>	19.9
BH <sub>(max)</sub>	Min	KJ/m <sup>3</sup>	18.3
Remanence	Typ	mT	330
Br	Min		320
Reversible temp coefficient of Br	Typ	-%/°C	-0.19
Reversible temp coefficient of H <sub>cj</sub>	Typ	-%/°C	0.3
Coercivity H <sub>c</sub>	H <sub>cb</sub> Typ	kA/m	151
	H <sub>cb</sub> Min	kA/m	135
	H <sub>cj</sub> Typ	kA/m	155.5
	H <sub>cj</sub> 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 <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