



**MATERIAL DATA**

Magnetic values		20°C	
Maximum Energy Product BH <sub>(max)</sub>	Typ	KJ/m <sup>3</sup>	318
	Min	KJ/m <sup>3</sup>	302
Remanence Br	Typ	mT	1290
	Min		1260
Reversible temp coefficient of Br	Typ	-%/°C	0.1
Reversible temp coefficient of H <sub>cj</sub>	Typ	-%/°C	0.55
Coercivity	H <sub>cb</sub> Typ	kA/m	987
	H <sub>cb</sub> Min	kA/m	939
	H <sub>cj</sub> Typ	kA/m	1990
	H <sub>cj</sub> Min	kA/m	1990
Curie temperature	Min	°C	380
Max operating temp	Typ	°C	160
Magnetising field strength	Typ	kA/m	8000

Mechanical values		20°C	
Density	Typ	g/cm <sup>3</sup>	7.50
Hardness	Typ	HV	500 - 520
Elasticity Modulus	Typ	10 <sup>9</sup> N/MM <sup>2</sup>	135
Compressive Strength	Typ	N/mm <sup>2</sup>	980
Flexural Strength	Typ	N/mm <sup>2</sup>	260
Spec. Heat Capacity	Typ	J/(kg-K)	410
Thermal Conductivity	Typ	W/mK	7