



## MATERIAL DATA

### Magnetic values

		20°C	
Maximum Energy Product	Typ	KJ/m <sup>3</sup>	251
	Min	KJ/m <sup>3</sup>	239
Remanence $B_r$	Typ	mT	1155
	Min	mT	1140
Reversible temp coefficient of $B_r$	Typ	-%/°C	-0.1
Coercivity $H_c$	$H_{cb}$ Typ	kA/m	865
	$H_{cb}$ Min	kA/m	824
	$H_{cj}$ Typ	kA/m	2500
	$H_{cj}$ Min	kA/m	2500
Curie Temperature	Min	°C	380
Max operating temp	Typ	°C	160
Magnetising field strength	Typ	kA/m	3000

### Mechanical values

		20°C	
Density	Typ	g/cm <sup>3</sup>	7.50
Hardness	Typ	HV	500 - 520
Elasticity Modulus	Typ	10 <sup>3</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