



### MATERIAL DATA

#### Magnetic values

Maximum Energy Product	Typ	KJ/m3	30.25
BH(max)	Min	KJ/m3	28.7
Remanence	Typ	mT	405
Br	Min		395
Reversible temp coefficient of Br	Typ	-%/oC	-0.19
Reversible temp coefficient of Hcj	Typ	-%/oC	0.3
Coercivity	Typ	kA/m	277
	Min	kA/m	263
	Typ	kA/m	291
	Min	kA/m	279
Curie temperature	Min	oC	450
Max operating temp	Typ	oC	250
Magnetising field strength	Typ	kA/m	1000

#### Mechanical values

Density	Typ	g/cm3	4.80
Hardness	Typ	HV	490 - 570
Elasticity Modulus	Typ	103N/mm2	140
Compressive Strength	Typ	N/mm2	680
Tensile Strength	Typ	N/mm2	45
Flexural Strength	Typ	N/mm2	58
Spec. Heat Capacity	Typ	J/(kg-K)	630
Thermal Conductivity	Typ	W/mK	3.7