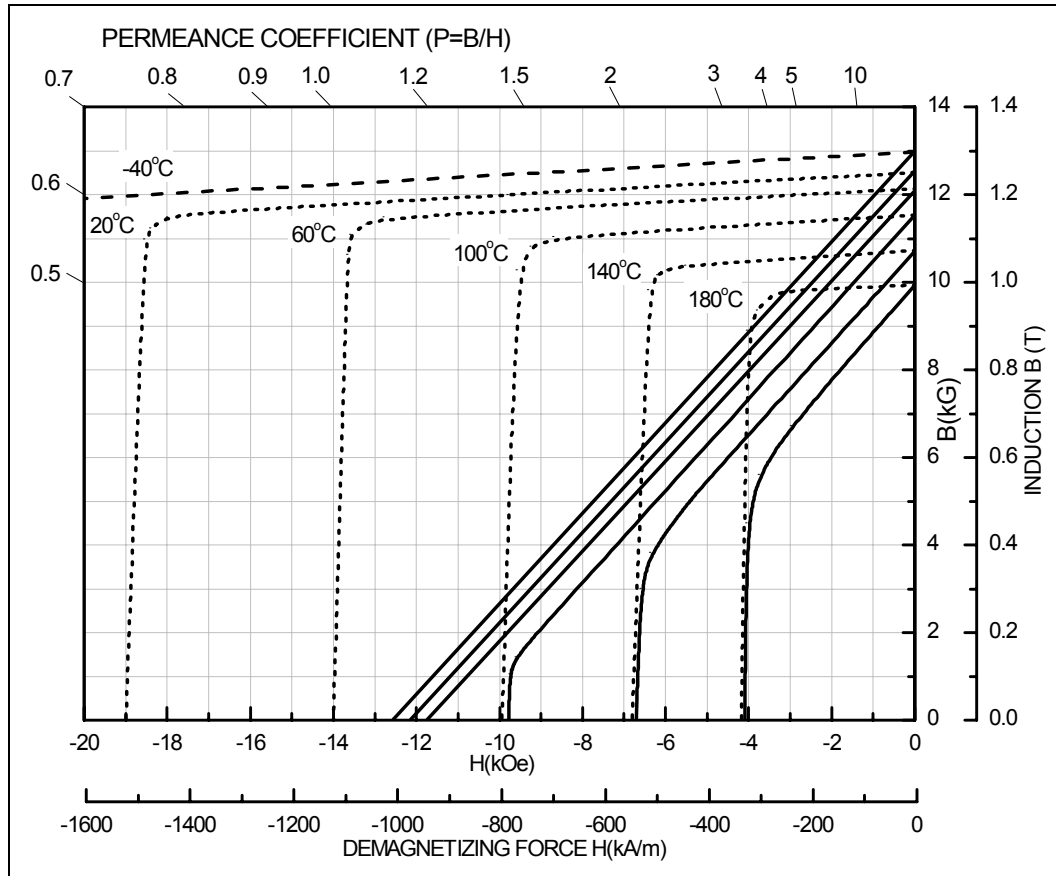


**Quality BMJH-37SHR**



**Magnetic Properties BMJH-37SHR**

		at 20° C	at 140° C
Remanence Br	min. mT	1180	1076
	nom. mT	1220	1112
Rev.temp.coeff. of Br	approx. %K	-0.11	
Coercivity of field	BHc kA/m min.	914	564
	BHc kA/m nom.	945	604
	JHc kA/m min.	1676	569
	JHc kA/m nom.	1795	610
Rev.temp.coeff. of cj	approx. %K	-0.55	
Energy product	BH max. kJ/m <sup>3</sup> min.	269	224
	BH max. kJ/m <sup>3</sup> nom.	288	239

Max.op.temp. approx. °C 150  
Curie temp. approx. °C 340

**Mechanical Properties**

at 20° C

Density	approx. g/cm <sup>3</sup>	7.5-7.6
Vickers hardness	approx. Hv	600
Compressive strength	approx. N/mm <sup>2</sup>	1000
Tensile strength	approx. MPa	78
Flexural strength	approx. MPa	245
Expansion coeff.	p.p.d. approx. 10 <sup>-6</sup> /K	-1
	i.p.d. approx. 10 <sup>-6</sup> /K	5
Spec.elec.resistance	approx. 10 <sup>-6</sup> Ωm	1.45
Spec.heat capacity	approx. J/(kg x K)	440
Thermal conductivity	approx. W/mk	8

p.p.d.= perpendicular to preferred direction

i.p.d.= in preferred direction