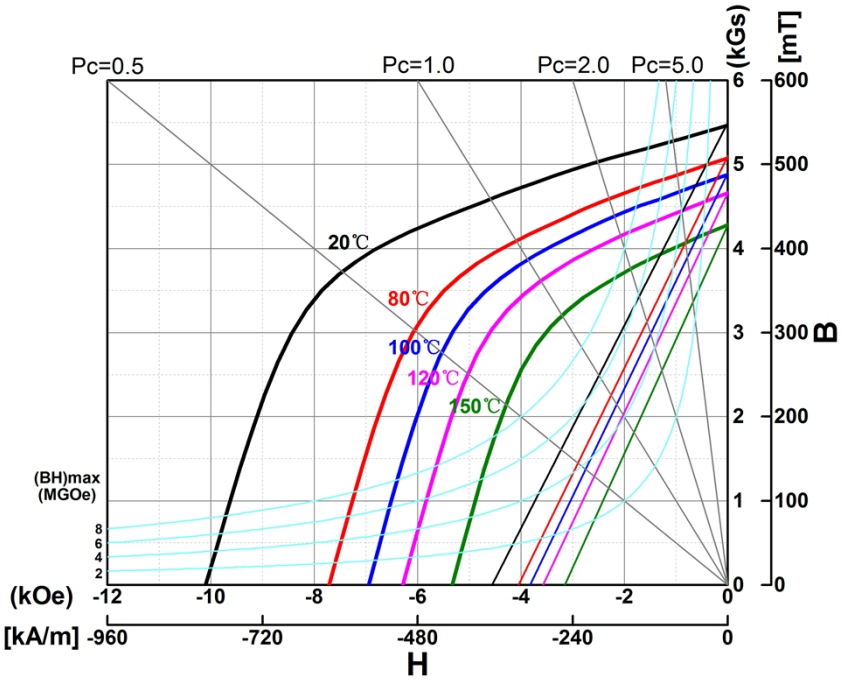
宁波韵升
NINGBO YUNSHENG

Material Datasheet of BNI-6

Demagnetization Curve



Magnetic Properties

Residual Induction B_r	[mT] (kG)	500~600 5.0~6.0	**Tem. Coeff. of Br** $\alpha(B_r)$	[%/K]	-0.11
Coercivity H_{cB}	[kA/m] (kOe)	328~384 4.1~4.8	**Tem. Coeff. of Hcj** $\alpha(H_{cj})$	[%/K]	-0.35
Induction Coericivity H_{cJ}	[kA/m] (kOe)	640~800 8.0~10.0	**Recoil Permeability** μ_{rec}		1.20
Max. Energy Product $(BH)_{max}$	[kJ/m3] (MGOe)	44.0~52.0 5.5~6.5	**Max. Operating Tem.** T_w	°C	120

Physical Properties

Density (ρ)	g/cm^3	4.7~5.2
Bending Strength	MPa	74
Tensile Strength	MPa	37
Young's Modulus	MPa	16000
Expansion Coeff.	10^{-6}/K	26
Spec. Elec. Resistance	μ Ω·m	130

*: [ ]: in the unit of SI

( ): in the unit of CGS

The specification of the test sample is Φ10×10 column.

These values may vary depending on the magnet's shape and dimensions. It is recommended that the fiqures be verified in actual products

7 building 2# 189 Street Canghai Road, Hi-Tech Park, Ningbo
TEL: +86-574-27861835
FAX: +86-574-27861208
http://www.ys-magnet.com