

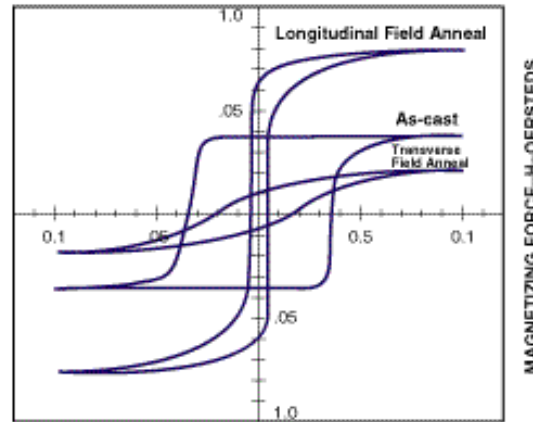
Applications

- Field sensors
- Shielding applications
- High frequency cores

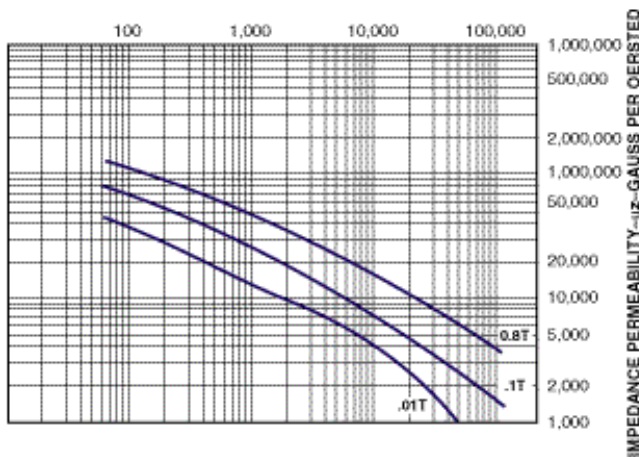
Benefits

- Medium saturation induction
- Lower magnetostriction
- Higher corrosion resistance
- Can be annealed for very high DC permeability, rounded or square B-H loops

Typical DC Hysteresis Loop



Typical Impedance Permeability Curves,
No-Field Anneal



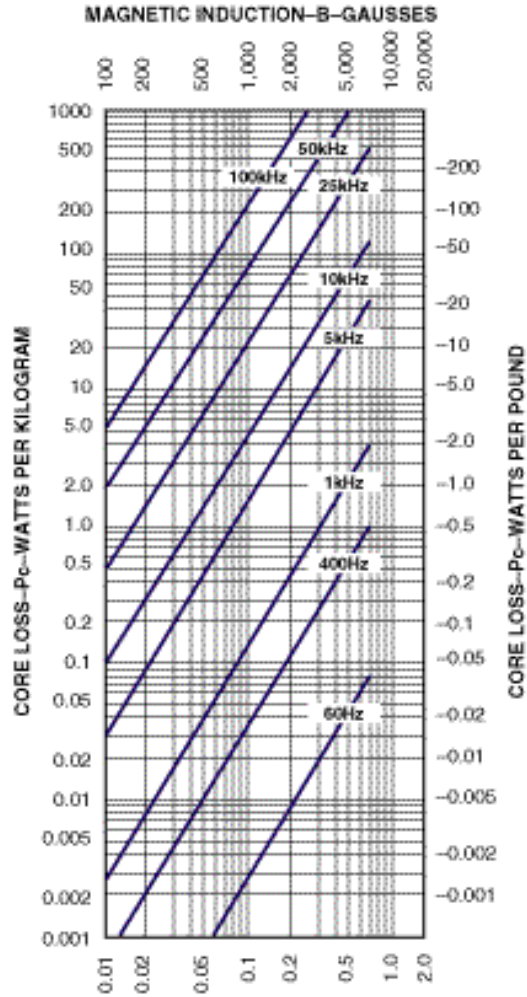
Physical Properties

Density (g/cm ³)	7.90
Vicker's Hardness (50g load)	740
Tensile Strength (GPa)	1-2
Elastic Modulus (GPa)	100-110
Lamination Factor (%)	>75
Thermal Expansion (ppm/°C)	11.7
Crystallization Temperature (°C)	410
Continuous Service Temp. (°C)	125

Magnetic Properties

Saturation Induction (T)	0.88
Maximum D.C. Permeability (μ):	
Annealed	800,000
As Cast	>50,000
Saturation Magnetostriction (ppm)	12
Electrical Resistivity (μΩ.cm)	138
Curie Temperature (°C)	353

**Typical Core Loss Curves, Longitudinal Field Anneal
METGLAS Alloy 2826MB**





Contact Information:

AMERICAS

Metglas®, Inc.

440 Allied Drive
Conway, SC 29526

Tel: (800) 581-7654

Tel: (843) 349-7363

Fax: (843) 349-6815

ASIA

Hitachi Metals Hong Kong

Units 2212-14, 22/F.
Miramar Tower, 132 Nathan Road,
Tsimshatsui, Kowloon
Hong Kong

Tel: 852-27244183

Fax: 852-27227660

EUROPE

Hitachi Metals Europe

Immermannstrasse 14-16
D- 40210 Düsseldorf
Germany

Tel :49(0)211-16009-23

Fax:49(0)211-16009-30