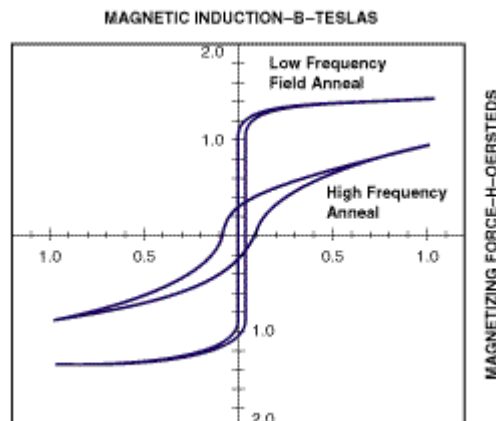


Applications

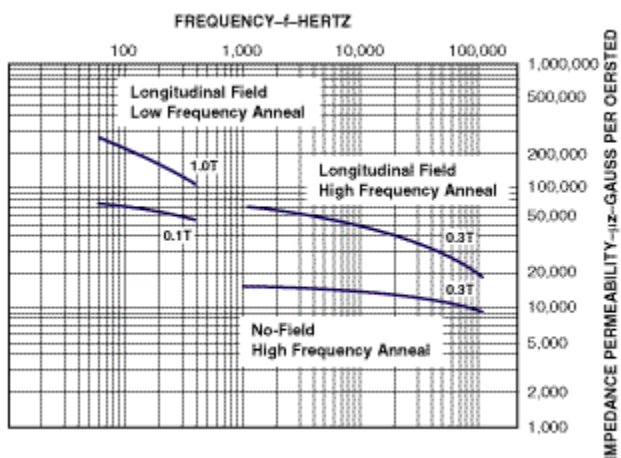
- Current transformers
- Ground fault protection devices
- High frequency cores

Benefits

- Low core loss at high frequencies (>1 kHz)
- High operating temperature with minimal flux density reduction
- Can be annealed for high permeability in low or high frequencies



Typical Impedance Permeability Curves, Various Field Anneal



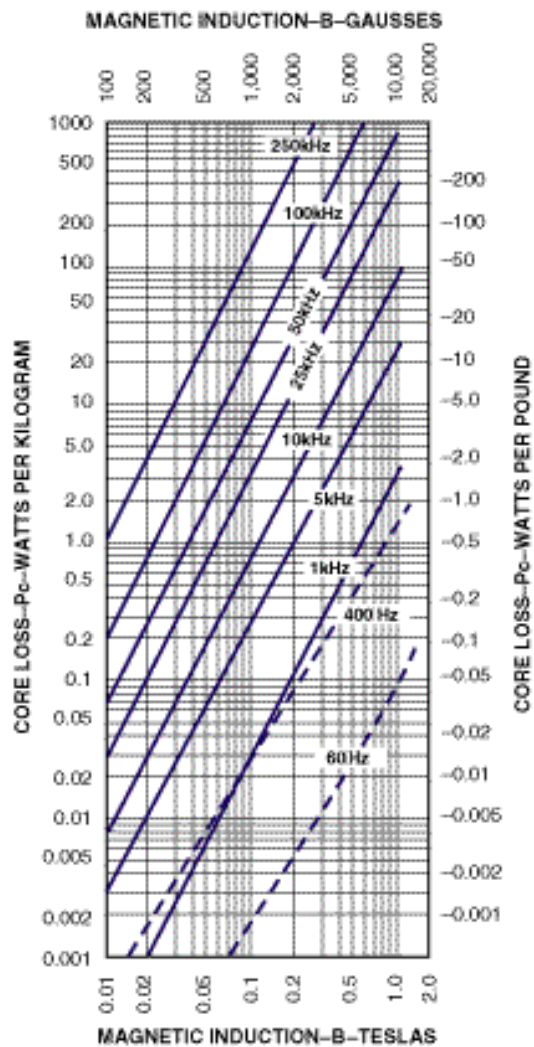
Physical Properties

Density (g/cc)	7.29
Vicker's Hardness (50g Load)860
Tensile Strength (GPa)	1-2
Elastic Modulus (GPa)	100-110
Lamination Factor (%)	>75
Thermal Expansion (ppm/°C)6.7
Crystallization Temperature (°C)535
Continuous Service Temp. (°C)150

Magnetic Properties

Saturation Induction (Tesla)	1.41
Maximum D.C. Permeability (μ):	
Annealed	35,000
As Cast	>20,000
Saturation Magnetostriction (ppm)20
Electrical Resistivity (μ-cm)138
Curie Temperature (°C)358

Typical Core Loss Curves, Longitudinal Field Anneal METGLAS Alloy 2605S3A



Contact Information:

USA

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

Room 1107, West Wing,
Tsim Sha Tsui Centre,
66 Mody Road, TST East,
Hong Kong.
Tel: (852) 27227680
Fax: (852) 27227660

EUROPE

Hitachi Metals Europe

Immerman Strasse 14-16
D-40210 Duesseldorf, Germany
Tel: +49 211 160 09 - 11
Fax: +49 211 160 09 - 30

*At the time of publishing, the contact information was current and accurate.
Please check <http://www.metglas.com/contacts> for a distributor near you.*