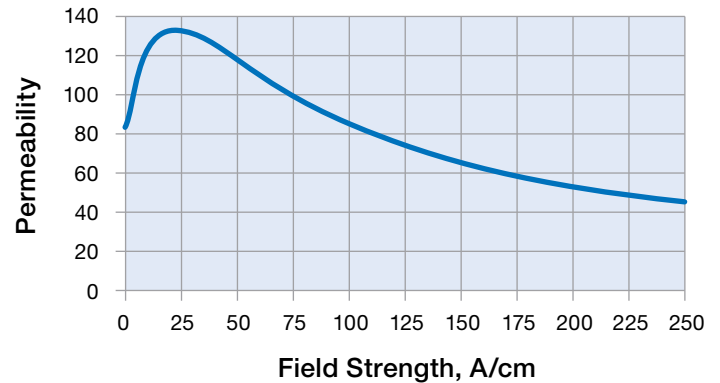
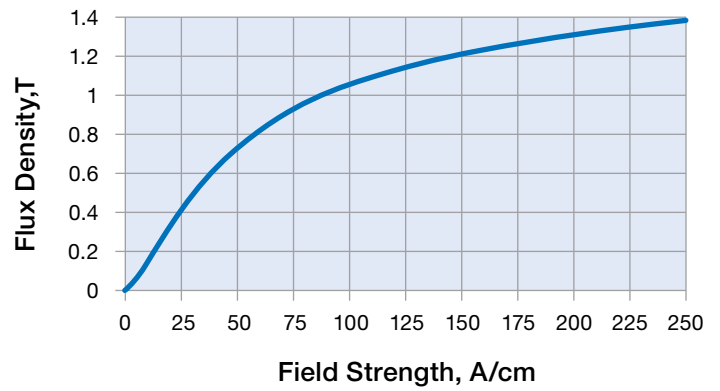
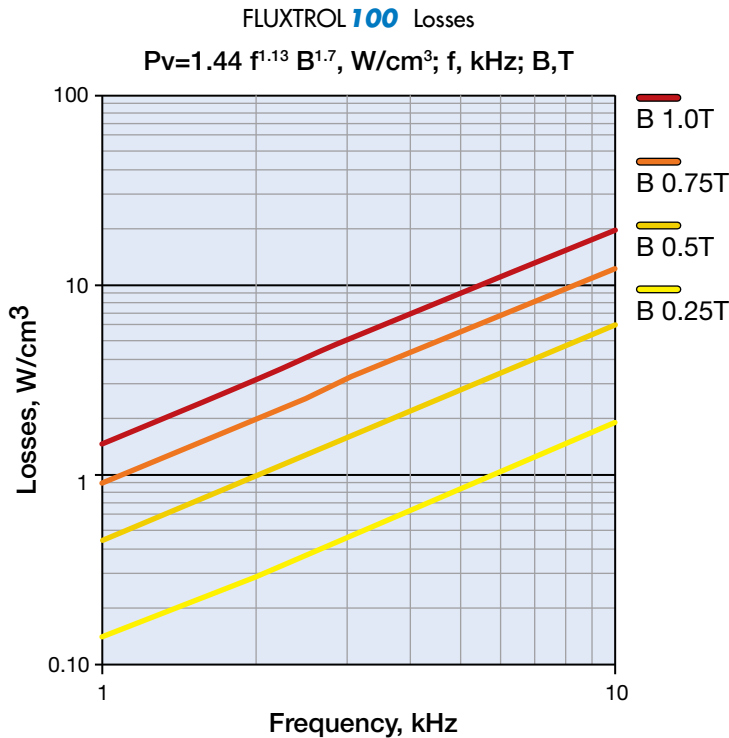
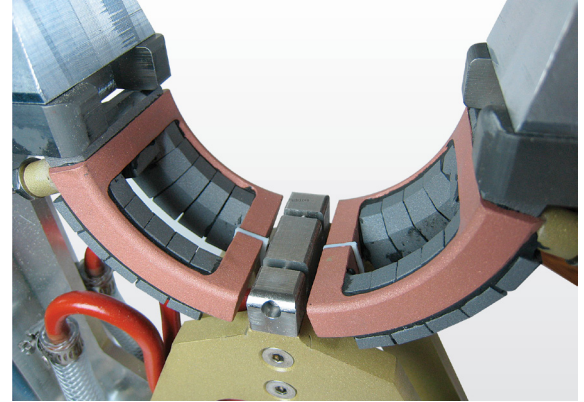




Low to Medium Frequency Soft Magnetic Composite [Frequency Range: up to 50 kHz]

FLUXTROL 100 is a new material made of electrically insulated iron particles and organic binder. It is designed for a wide range of frequencies up to 50 kHz. This material has low anisotropy and good mechanical properties, which allows the users to machine parts with sharp corners and thin walls and use magnetic parts as structural components of the induction coil assembly.

Properties	Units	FLUXTROL 100
Density ± 2%	g/cm ³	6.8
Initial Permeability	None	80
Maximum Permeability	None	130
Saturation Flux Density	T	1.7
Operating Frequency Range	kHz	up to 50
Major Frequency Range	kHz	1–30
Temperature Resistance	Centigrade	225 Long Term 300 Short Term
Thermal Conductivity	W/cm °C	0.23
Resistivity	kOhmcm	12.5



Each grade of Fluxtrol material has its own distinctive properties that are the most beneficial to certain application conditions, process type, coil design, frequency, etc. **Contact Fluxtrol or your local distributor for more information about which material is optimal for you.**

