

## FLUXTROL A

Ideal for low and medium frequency applications (1-50kHz). Highest magnetic permeability in the Fluxtrol family of soft magnetic materials. Material has excellent mechanical strength, thermal conductivity and good machinability.

Proper material orientation must be taken into account for heavy loaded applications. (See Machining Section)

Properties	Units	<b>Fluxtrol A</b>
<b>Product Identification Color</b>		<b>Green</b>
<b>Density ± 2%</b>	g/cm <sup>3</sup>	6.6
<b>Operating Frequency Range</b>	kHz	1–50
<b>Major Frequency Range</b>	kHz	3–30
<b>Initial Permeability</b>		63
<b>Maximum Permeability</b>		120
<b>Saturation Flux Density</b>	Tesla	1.6
<b>Temperature Resistance</b>	Centigrade	250 Long Term 300 Short Term
<b>Resistivity</b>	kOhmcm	0.5
<b>Thermal Conductivity</b>	W/cm C	0.2

