

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

