

## FLUXTROL 50

Excellent performance over a wide range of frequencies (10-1000kHz). Ideal magnetic permeability for low and medium frequency applications, yet offers the highest permeability in the Fluxtrol family of soft magnetic materials in high frequency applications. Material has excellent mechanical strength, machinability and good thermal conductivity.

Properties	Units	Fluxtrol 50
Product Identification Color		Yellow
Density $\pm$ 2%	g/cm <sup>3</sup>	6.1
Operating Frequency Range	kHz	10-1000
Major Frequency Range	kHz	50-500
Initial Permeability		36
Maximum Permeability		55
Saturation Flux Density	Tesla	1.5
Temperature Resistance	Centigrade	250 Long Term 300 Short Term
Resistivity	kOhmcm	0.5
Thermal Conductivity	W/cm C	0.06

