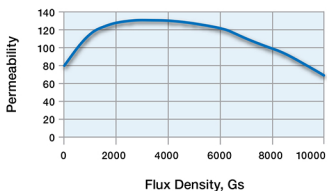
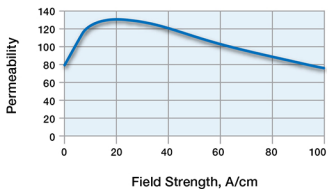
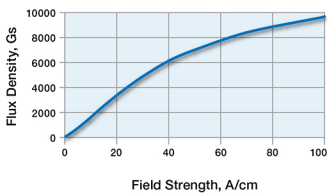


**Low to Medium Frequency Soft Magnetic Composite** [Frequency Range: up to 50 kHz]

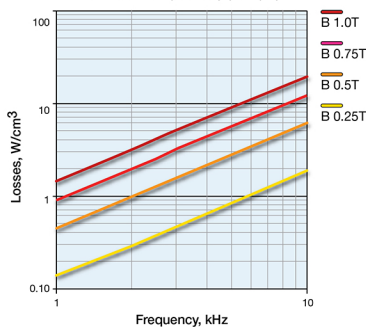
FLUXTROL 100 has been created to substitute FLUXTROL A. It has lower anisotropy and better thermal conductivity. FLUXTROL 100 has good machinability and mechanical properties. It is an optimal material for heavy loaded applications.

Properties	Units	FLUXTROL 100
Density ± 2%	g/cm <sup>3</sup>	6.8
Initial Permeability	None	80
Maximum Permeability	None	130
Saturation Flux Density	Gs	18,000
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



FLUXTROL 100 Losses

$$P_v = 1.44 f^{1.13} B^{1.7}, \text{ W/cm}^2; f, \text{ kHz; B, T}$$



Scan QR code to visit our website for more information on FLUXTROL 100 — Please Note: 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 for more information about which material is optimal for you.

- FLUXTROL A
- FLUXTROL 50
- FERROTRON 559H
- ALPHAFORM LF
- ALPHAFORM MF



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

■ RECTANGULAR BLOCKS

SIZE in INCHES	SIZE in MILLIMETERS
.25 x 1.00 x 4.00	6.3 x 25.4 x 101.5
.25 x 1.50 x 4.00	6.3 x 38.1 x 101.5
.50 x .50 x 4.00	12.7 x 12.7 x 101.5
.50 x .75 x 4.00	12.7 x 19.0 x 101.5
.50 x 1.00 x 4.00	12.7 x 25.4 x 101.5
.50 x 1.50 x 4.00	12.7 x 38.1 x 101.5
.50 x 2.00 x 4.00	12.7 x 50.8 x 101.5
.63 x .63 x 4.00	16.0 x 16.0 x 101.5
.63 x .75 x 4.00	16.0 x 19.0 x 101.5
.63 x 1.00 x 4.00	16.0 x 25.4 x 101.5
.63 x 2.00 x 4.00	16.0 x 50.8 x 101.5
.75 x .75 x 4.00	19.0 x 19.0 x 101.5
.75 x 1.00 x 4.00	19.0 x 25.4 x 101.5
.75 x 1.50 x 4.00	19.0 x 38.1 x 101.5
.75 x 2.00 x 4.00	19.0 x 50.8 x 101.5
1.00 x 1.00 x 2.00	25.4 x 25.4 x 50.8
1.00 x 1.25 x 4.00	25.4 x 31.7 x 101.5
1.00 x 1.50 x 3.00	25.4 x 38.1 x 76.2
1.00 x 1.50 x 4.00	25.4 x 38.1 x 101.5
1.00 x 2.00 x 4.00	25.4 x 50.8 x 101.5
1.25 x 1.25 x 3.00	31.7 x 31.7 x 76.2
.25 x 3.12 x 8.75	6.3 x 79.2 x 222.2
.25 x 4.25 x 6.50	6.3 x 107.9 x 165.0
.25 x 6.50 x 8.75	6.3 x 165.0 x 222.2
.38 x 3.12 x 8.75	9.6 x 79.2 x 222.2
.38 x 4.25 x 6.50	9.6 x 107.9 x 165.0
.38 x 6.50 x 8.75	9.6 x 165.0 x 222.2
.50 x 3.12 x 8.75	12.7 x 79.2 x 222.2
.50 x 4.25 x 6.50	12.7 x 107.9 x 165.0
.50 x 6.50 x 8.75	12.7 x 165.0 x 222.2
.63 x 3.12 x 8.75	16.0 x 79.2 x 222.2
.63 x 4.25 x 6.50	16.0 x 107.9 x 165.0
.63 x 6.50 x 8.75	16.0 x 165.0 x 222.2
.75 x 3.12 x 8.75	19.0 x 79.2 x 222.2
.75 x 4.25 x 6.50	19.0 x 107.9 x 165.0
.75 x 6.50 x 8.75	19.0 x 165.0 x 222.2
1.00 x 3.12 x 8.75	25.4 x 107.9 x 222.2
1.00 x 4.25 x 6.50	25.4 x 107.9 x 165.0
1.00 x 6.50 x 8.75	25.4 x 165.0 x 222.2

● ROUNDS / BILLETS

SIZE in INCHES		SIZE in MILLIMETERS	
.50 Ø x 2.00	4.50 Ø x 2.00	12.7 Ø x 50.8	114.3 Ø x 50.8
.67 Ø x 2.00	5.00 Ø x .25	17.0 Ø x 50.8	127.0 Ø x 6.3
.75 Ø x 2.00	5.00 Ø x .75	19.0 Ø x 50.8	127.0 Ø x 19.0
1.00 Ø x 2.00	5.00 Ø x 1.00	25.4 Ø x 50.8	127.0 Ø x 25.4
1.25 Ø x 2.00	5.00 Ø x 2.00	31.7 Ø x 50.8	127.0 Ø x 50.8
1.50 Ø x 2.00	5.50 Ø x 1.00	38.1 Ø x 50.8	140.0 Ø x 25.4
1.75 Ø x 2.00	5.50 Ø x 2.00	44.5 Ø x 50.8	140.0 Ø x 50.8
2.00 Ø x 2.00	6.00 Ø x .25	50.8 Ø x 50.8	152.4 Ø x 6.3
2.30 Ø x 2.00	6.00 Ø x .75	58.4 Ø x 50.8	152.4 Ø x 19.0
2.50 Ø x 2.00	6.00 Ø x 1.00	63.5 Ø x 50.8	152.4 Ø x 25.4
2.76 Ø x 2.00	6.00 Ø x 2.00	70.1 Ø x 50.8	152.4 Ø x 50.8
3.00 Ø x 1.00	6.50 Ø x .75	76.2 Ø x 25.4	165.1 Ø x 19.0
3.00 Ø x 1.25	6.50 Ø x 1.00	76.2 Ø x 31.7	165.1 Ø x 25.4
3.00 Ø x 2.00	6.50 Ø x 2.00	76.2 Ø x 50.8	165.1 Ø x 50.8
3.50 Ø x 1.00	8.00 Ø x .25	89.0 Ø x 25.4	203.2 Ø x 6.3
3.50 Ø x 2.00	8.00 Ø x .50	89.0 Ø x 50.8	203.2 Ø x 12.7
4.00 Ø x .75	8.00 Ø x .75	101.5 Ø x 19.0	203.2 Ø x 19.0
4.00 Ø x 1.00	8.00 Ø x 1.00	101.5 Ø x 25.4	203.2 Ø x 25.4
4.00 Ø x 2.00	8.00 Ø x 1.50	101.5 Ø x 50.8	203.2 Ø x 38.1
4.50 Ø x 1.00	8.00 Ø x 2.00	114.3 Ø x 25.4	203.2 Ø x 50.8



In addition to this broad range of standard sizes, we can manufacture custom sizes and shapes according to your requests. For price and delivery information and for custom size and/or machined parts, please contact Fluxtrol at 1.248.393.2000 or 1.800.224.5522.

- FLUXTROL A
- FLUXTROL 50
- FERROTRON 559H
- ALPHAFORM LF
- ALPHAFORM MF



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