

Material Quick Reference

	Super-MSS™ Sendust	MPP	FluxSan™	Hi-Flux™	Optilloy™
Material Type	85% Fe 9% Si 6% Al	81% Ni 17% Fe 2% Mo	93.5% Fe 6.5% Si	50% Ni 50% Fe	Fe Si Al Ni
Material Designation	MS	MP	FS	HF	OP
Comparison made with:	60μ	60μ	60μ	60μ	60μ
Saturation Flux Density					
Bsat (G)	8,900	8,800	16,700	14,800	13,000
H at 50% μi (Oe)	99	100	142	151	141
Core Loss					
60Hz, 5000G	6.4	9.1	14.5	15.7	8.7
10kHz, 500G	12.9	12.9	26.1	18.8	11.8
100kHz, 140G	12.9	12.6	24.2	27.8	15.9
1MHz, 40G	49.0	54.6	79.1	166.5	83.5
Shapes	T, E & B	T	T, E & B	T	T
Max Size Toroid (T)	154mm	154mm	154mm	154mm	154mm
Max Size E-Core (E)	120mm	—	120mm	—	—
Max Size Block (B)	80mm	—	80mm	—	—
Relative Price*	2 - 3	10 - 18	2 - 4	7 - 9	6 - 7

*Pricing estimate relative to Micrometals least expensive iron powder material based on 25mm toroidal geometry.