

	Symbol	Unit	Measuring Conditions			High Frequency Low Loss Material
			Freq.	Flux den.	Temp.	P53
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	1200 $\pm$ 25%
Amplitude Permeability	μ_a		25kHz	200mT	25°C	> 1900
					100°C	> 2000
Power Loss	Pv	KW/m ³	300kHz	100mT	25°C	350
					100°C	310
			500kHz	50mT	25°C	80
					100°C	60
			500kHz	100mT	25°C	650
					100°C	650
			1000kHz	50mT	25°C	300
					100°C	300
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	515
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	180
					100°C	120
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	38
					100°C	33
Hysteresis Material Constant	η_B	10 ⁻⁶ /mT	10kHz	1.5-3.0mT	25°C	< 1
Disaccommodation Factor	Df	10 ⁻⁶	10kHz	< 0.25 mT	25°C	< 2
Curie Temperature	Tc	°C				≥ 280
Resistivity	ρ	Ωm				10.00
Density	d	g/cm ³				4.80

Note: Material characteristics are typical for a toroid core.

Product specification will differ from these data due to the influence of geometry and size.

