

	Symbol	Unit	Measuring Conditions			Low η_B Material
			Freq.	Flux den.	Temp.	N43
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	750 $\pm$ 25%
Relative Loss Factor	$\tan\delta/\mu_i$	10^{-6}	10kHz	< 0.25mT	25°C	< 60
			100kHz		25°C	< 15
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	490
					100°C	400
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	400
					100°C	325
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	25
					100°C	21
Temperature Factor of Permeability	α_F	$10^{-6}/^\circ\text{C}$	10kHz	< 0.25 mT	5 ~ 25°C	< 2.2
					25 ~ 55°C	< 1.8
Hysteresis Material Constant	η_B	$10^{-6}/\text{mT}$	10kHz	1.5-3.0mT	25°C	< 2.5 ^(100kHz)
Curie Temperature	Tc	°C				≥ 250
Resistivity	ρ	Ωm				2.00
Density	d	g/cm ³				4.70

Note: Material characteristics are typical for a toroid core.

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

