

	Symbol	Unit	Measuring Conditions			Automotive High Bs Material
			Freq.	Flux den.	Temp.	B45
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	450 $\pm$ 25%
Saturation Flux Density	Bs	mT	10kHz	H = 4000A/m	25°C	450
Remanence	Br	mT	10kHz	H = 4000A/m	25°C	270
Coercivity	Hc	A/m	10kHz	H = 4000A/m	25°C	49
Relative Loss Factor	$\tan\delta/\mu_i$	10 ⁻⁶	100kHz	< 0.25mT	25°C	40
Temperature Factor of Permeability	α_F	10 ⁻⁶ /°C	10kHz	< 0.25 mT	20 ~ 60°C	15
Curie Temperature	Tc	°C				≥ 240
Resistivity	ρ	Ωm				$> 10^6$
Density	d	g/cm ³				5.20

Note: Material characteristics are typical for a toroid core.

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

