

	Symbol	Unit	Measuring Conditions			Automotive EMI-Suppression Material
			Freq.	Flux den.	Temp.	D40
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	2000 $\pm$ 25%
Saturation Flux Density	Bs	mT	10kHz	H = 1200A/m	25°C	275
Remanence	Br	mT	10kHz	H = 1200A/m	25°C	115
Coercivity	Hc	A/m	10kHz	H = 1200A/m	25°C	8
Relative Loss Factor	$\tan\delta/\mu_i$	10 ⁻⁶	0.1MHz	< 0.25mT	25°C	18
Temperature Factor of Permeability	α_μ	10 ⁻⁶ /°C	10kHz	< 0.25 mT	20 ~ 80°C	≤ 20
Curie Temperature	Tc	°C				≥ 90
Resistivity	ρ	Ωm				$> 10^6$
Density	d	g/cm ³				5.00

Note: Material characteristics are typical for a toroid core.

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

