

### Material Characteristics (3)

	Symbol	Unit	Measuring Conditions			High Bs Materials	
			Freq.	Flux den.	Temp.	P49	P491
<b>Initial Permeability</b>	$\mu_i$		≤ 10kHz	0.25mT	25°C	1700 ± 25%	1500 ± 25%
<b>Power Loss</b>	Pv	KW/m <sup>3</sup>	25kHz	200mT	25°C	-	160
					100°C	-	240
			100kHz	200mT	25°C	800	900
					100°C	400	1390
			500kHz	50mT	25°C	450	250
					100°C	220	560
<b>Saturation Flux Density</b>	Bs	mT	10kHz	H = 1200A/m	25°C	540	600
					100°C	460	500
<b>Remanence</b>	Br	mT	10kHz	H = 1200A/m	25°C	280	140
					100°C	50	235
<b>Coercivity</b>	Hc	A/m	10kHz	H = 1200A/m	25°C	15	21
					100°C	7	20
<b>Curie Temperature</b>	Tc	°C				≥ 280	≥ 300
<b>Resistivity</b>	$\rho$	Ωm				3.00	5.00
<b>Density</b>	d	g/cm <sup>3</sup>				4.90	4.90

Note: Material characteristics are typical for a toroid core.

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