Material Specifications CF197

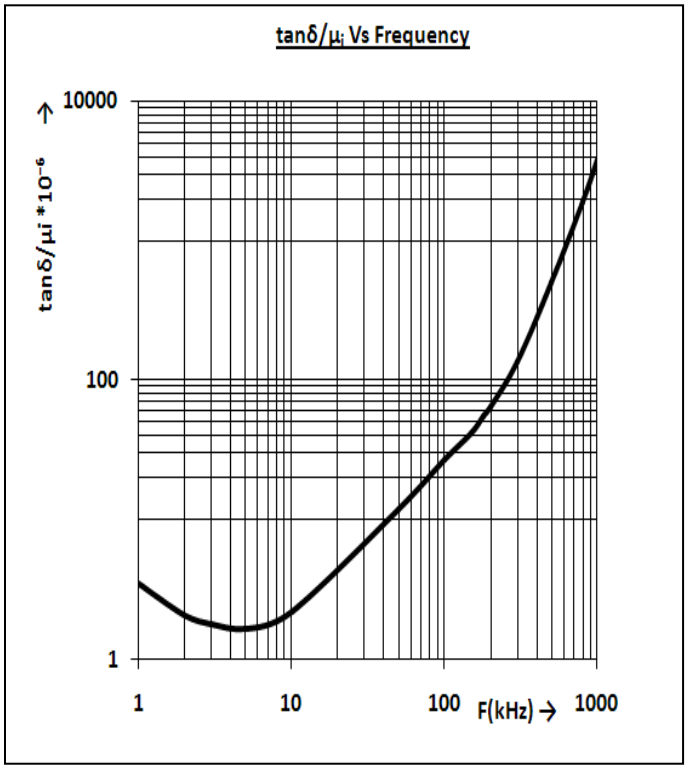
Application	Power transformers
Material	Mn-Zn

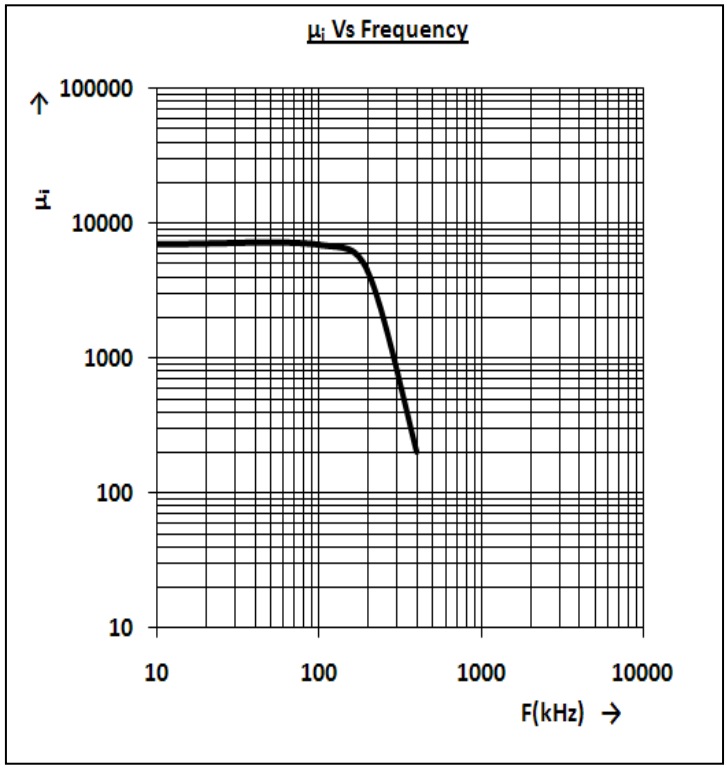
Material Properties	Conditions	Symbol	Value	Unit
Initial Permeability	25°C,10kHz,≤ 0.25mT	μ_i	7000 ±20%	
Flux Density	25°C;10kHz;1200A/m	B_S	400	mT
	100°C;10kHz;1200A/m	B_S	240	mT
Coercive Field Strength	25°C;10kHz	H_C	22	A/m
	100°C;10kHz	H_C	24	A/m
Hysteresis Material Constant	25°C;	η_B	<1.1	10^{-6}mT
Curie Temperature	10kHz;≤0.25mT	T_C	> 120	°C
Density	25°C	ρ	4.8 ×10³	kg/m³
Resistivity	25°C	ρDC	0.2	Ωm
Relative Core Loss Factor	25°C; 10 kHz	$\tan \delta/\mu_i$	≤ 3.5	$*10^{-6}$
	25°C; 100 kHz	$\tan \delta/\mu_i$	≤ 40	$*10^{-6}$

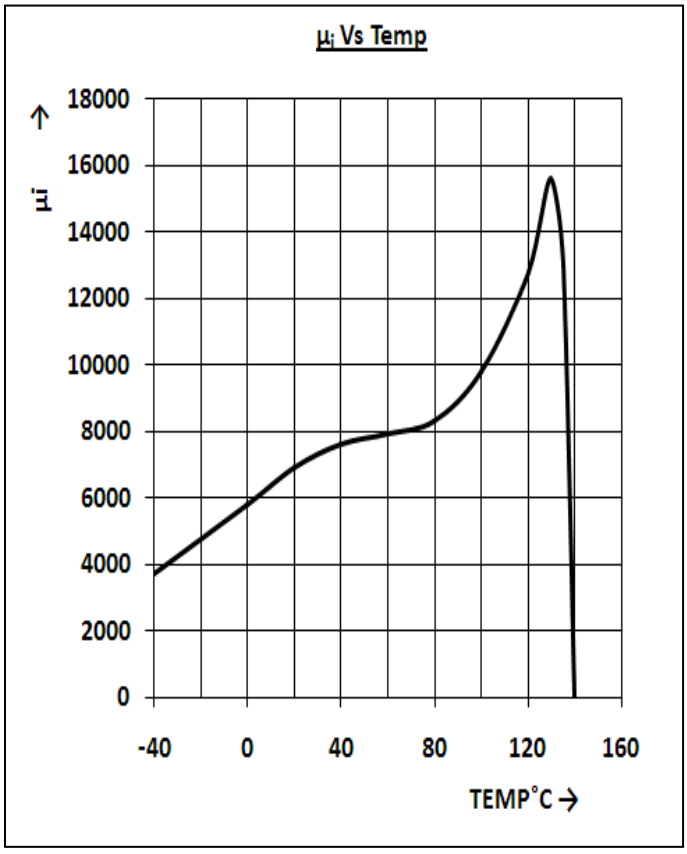
Date: 04 November 2017

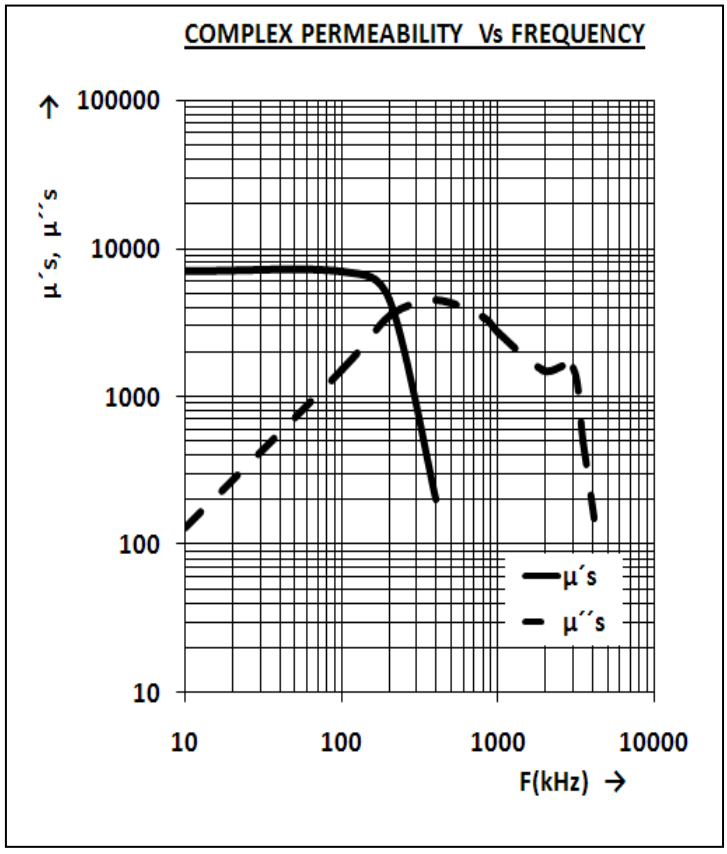
***Material data specified here have been derived from measurement on toroid core T2512**

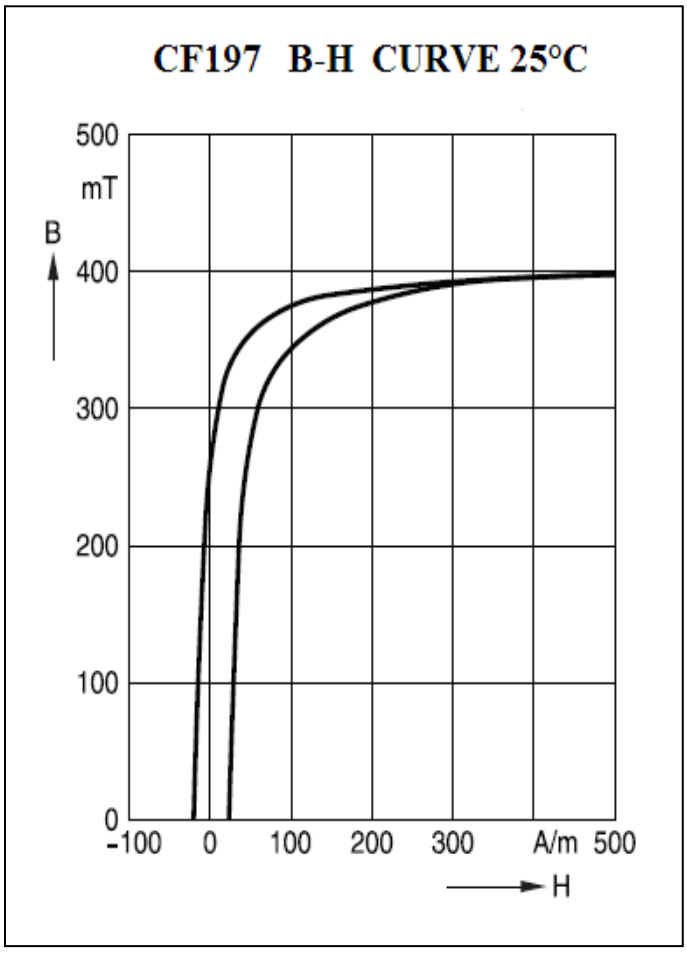
Material Specifications CF197

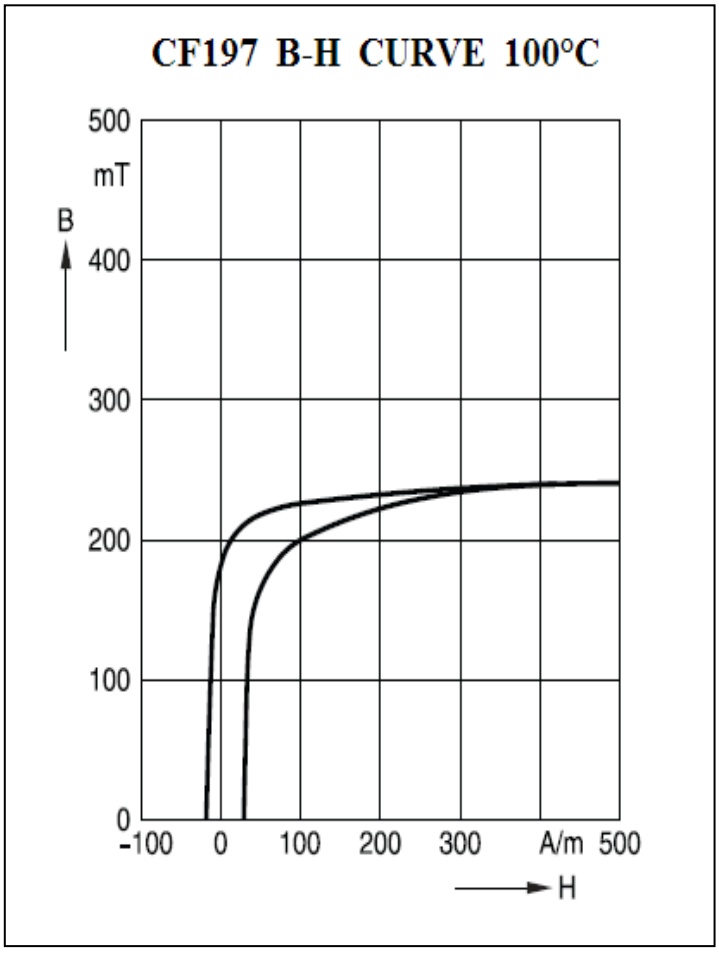












Date: 04 November 2017

***Material data specified here have been derived from measurement on toroid core T2512**

Prodin Ferrite S.L.

Calle A, 27, 08620 Sant Vicenç dels Horts, Barcelona
(Spain) Tel.: +34 93 672 46 10
info@prodinferrite.com www.prodinferrite.com