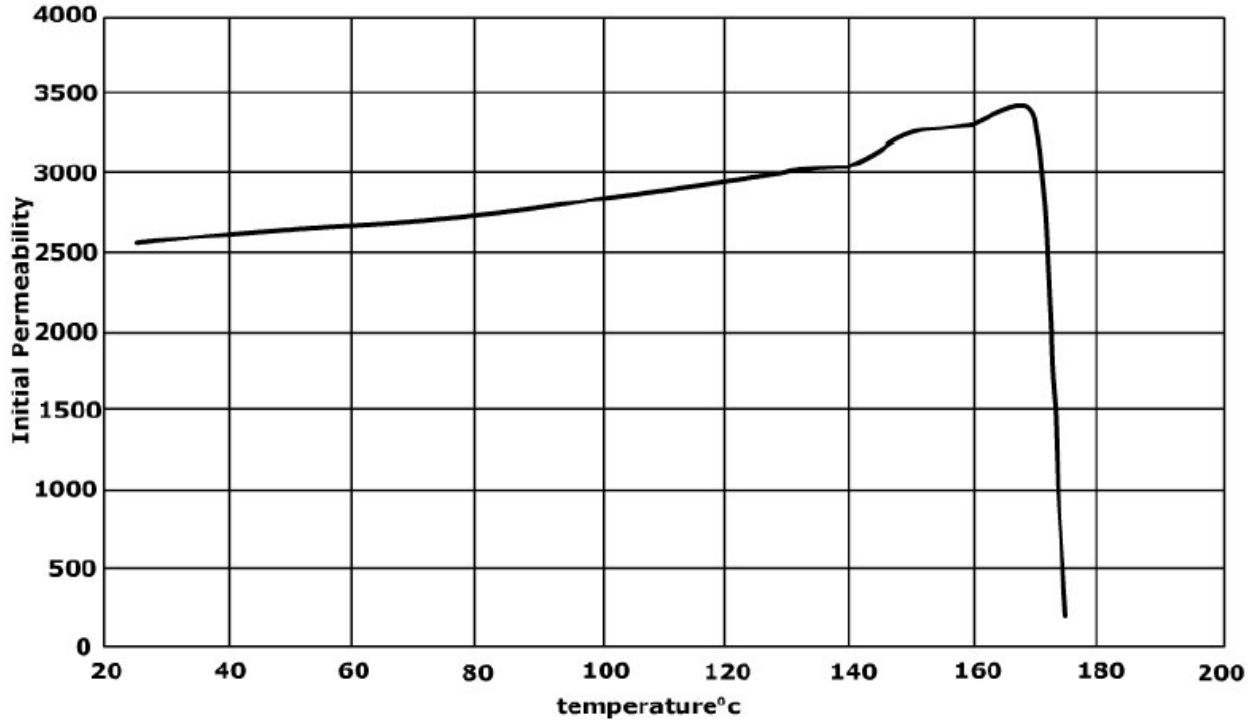
MATERIAL **CF 140**

Material Properties

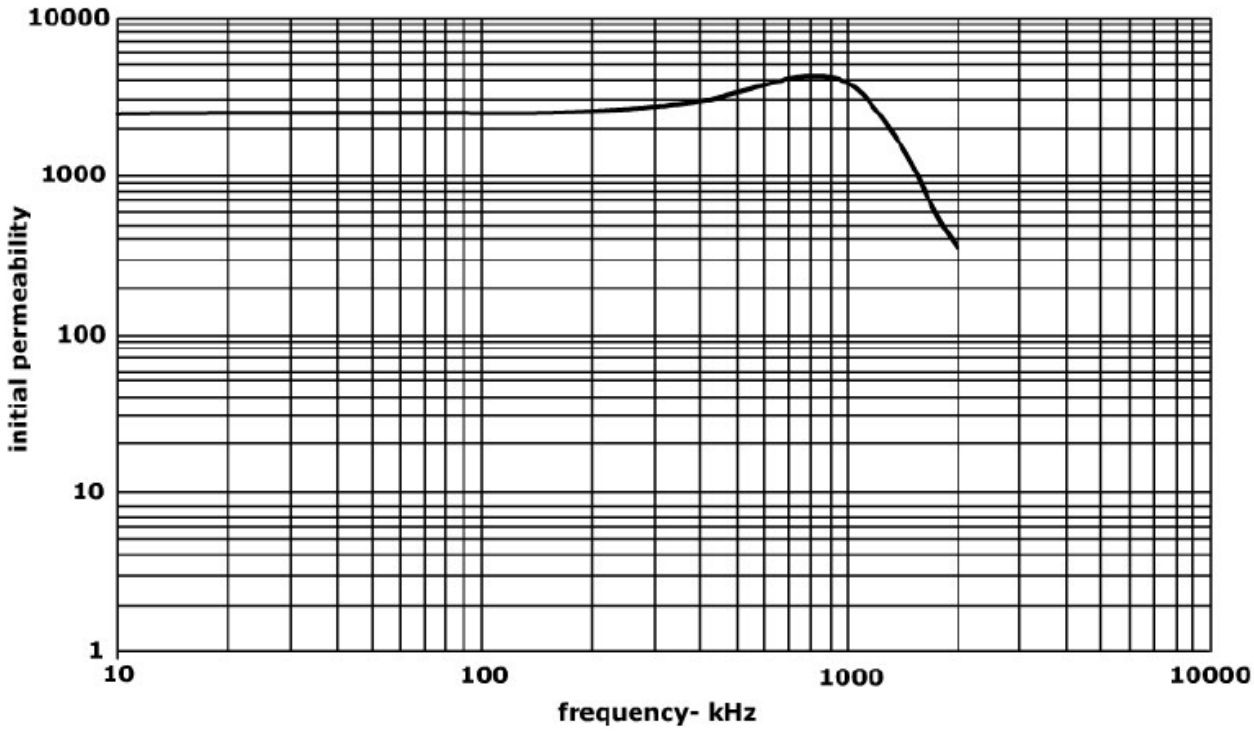
Material	CF 140
Base Material	MnZn

Property	Symbol	Unit	
Initial Permeability (T = 25 ^{0}C)	μ_i		2500±20%
Flux density H = 1000 A/m, f = 10 kHz)	B_s (25 ^{0}C) B_s (100 ^{0}C)	mT mT	390 310
Residual Flux Density	Br (25 ^{0}C)	mT	110
Coercive field strength (f = 10 KHz)	H_c (25 ^{0}C)	A/m	24
Relative loss factor (T = 25 ^{0}C)	tan $\delta/\mu_i \times 10^{-6}$	10kHz 100kHz	-- $\leq$ 2.5
Diaccomodation (T = 25 ^{0}C)	D_F	10^{-6}	$\leq$ 3.0
Curie Temperature	T_c	^{0}C	>150 ^{0}C
Hysteresis Mat. Constant	η_B	10^{-6}/mT	$\leq$ 0.4
Resistivity	ρ	Ωm	1.0
Core Shapes			RM, P

Initial Permeability versus Temperature (Measured on T2512 Toroids)



Initial Permeability versus frequency (Measured on T 2512 Toroids)



Core Lossfactor versus Frequency (Measured on T2512 Toroids)