



43 Material® Data Sheet

This NiZn is our most popular ferrite for suppression of conducted EMI from 20 MHz to 250 MHz. This material is also used for inductive applications such as high frequency common-mode chokes.

Available in 43 material®:

EMI Suppression Beads

Beads On Leads

SM beads

Multi-Aperture Cores

Round Cable EMI Suppression Cores

Round Cable Snap-Its

Flat Cable EMI Suppression Cores

Flat Cable Snap-Its

Miscellaneous Suppression Cores

Bobbins

Toroids

43 Material® Characteristics

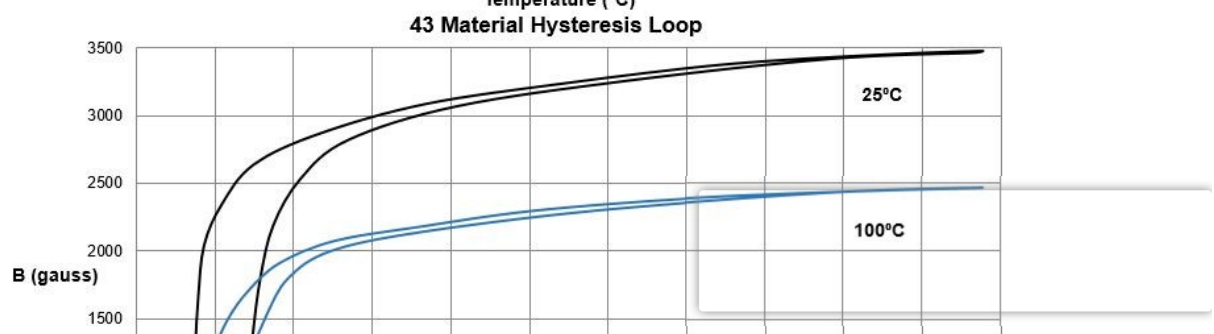
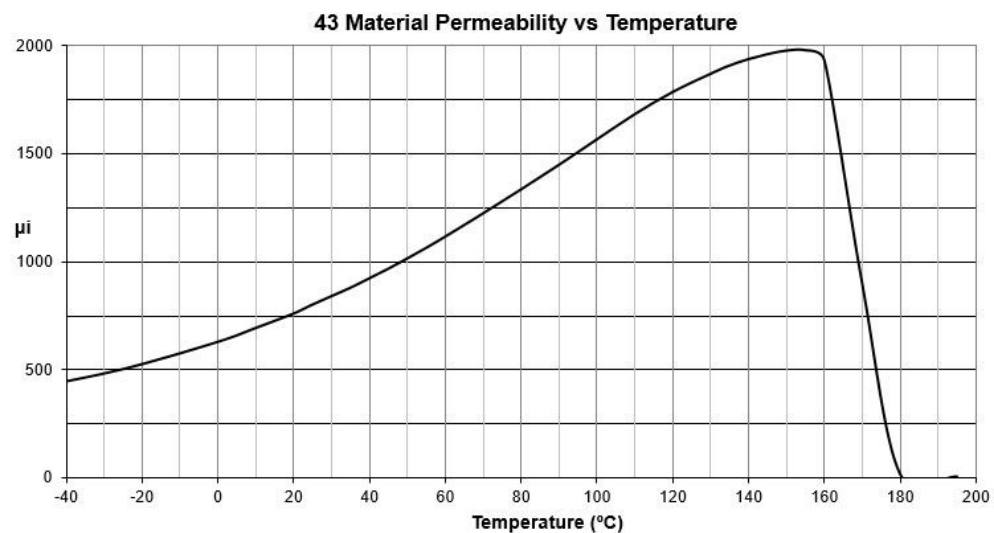
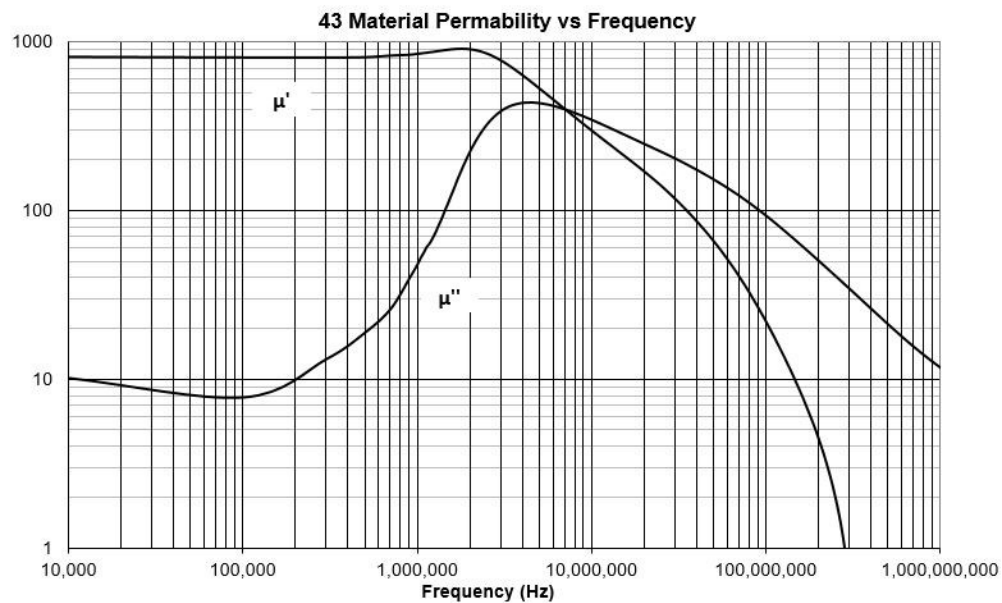
Property	Unit	Symbol	Value
Initial Permeability@ B < 10 gauss		μ_i	800
Flux Density @ Field Strength	Gauss Oersted	B H	3500 10
Residual Flux Density	Gauss	B_r	2200
Coercive Force	Oersted	H_c	0.36
Loss Factor @ Frequency	10^{-6} MHz	$\tan \delta / \mu_i$	100 1.0

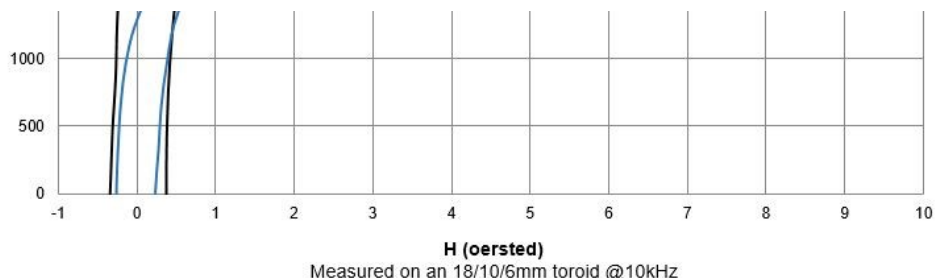
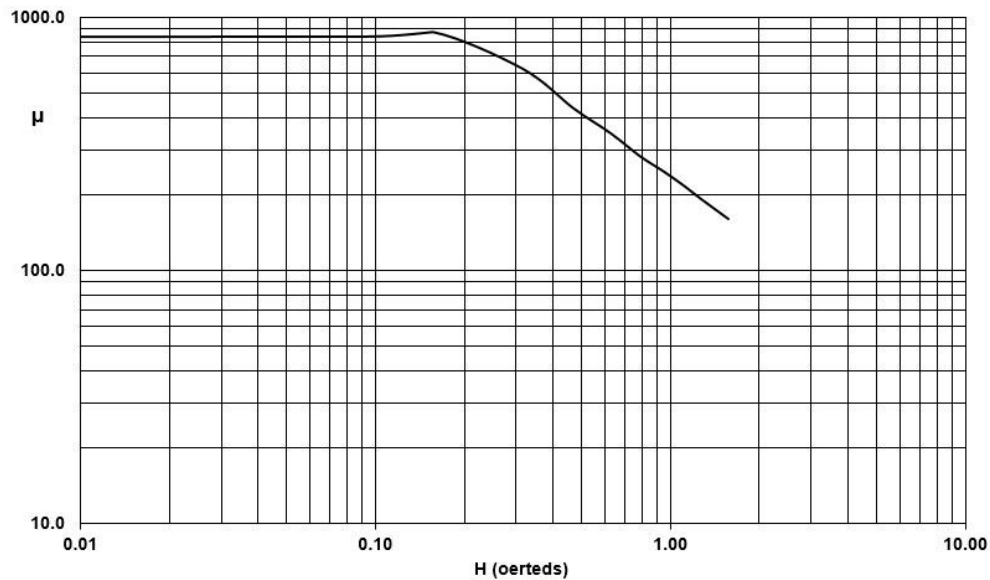
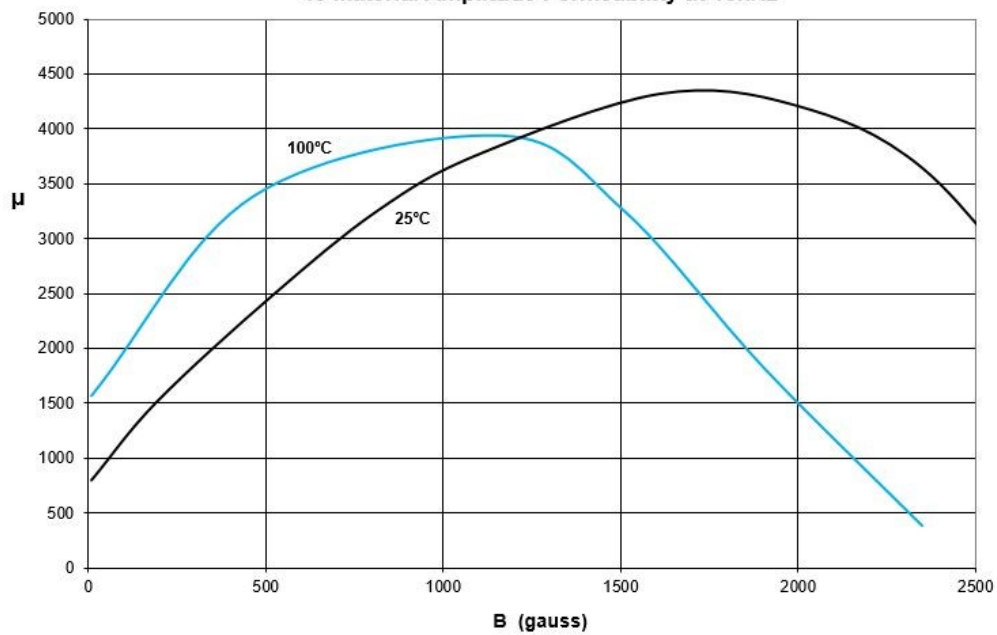
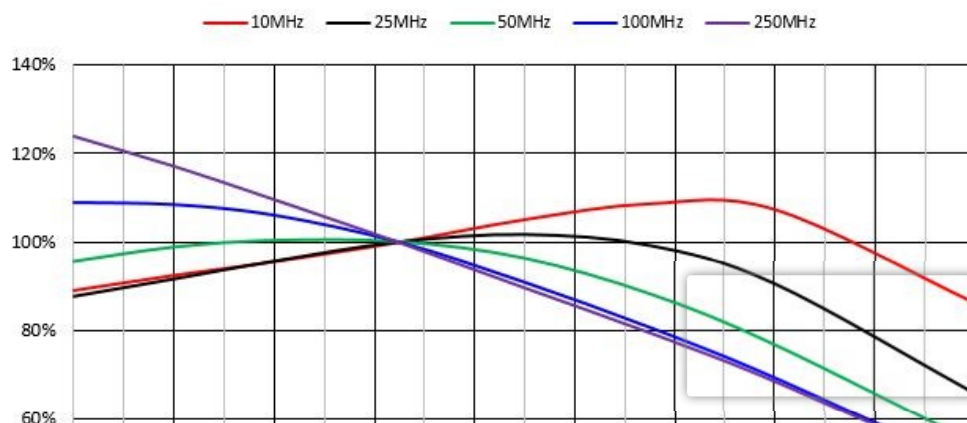
Temperature Coefficient of Initial Permeability (20 -70°C)	%/°C		1.25
Curie Temperature	°C	T_c	>130
Resistivity	ohm-cm	ρ	1×10^5

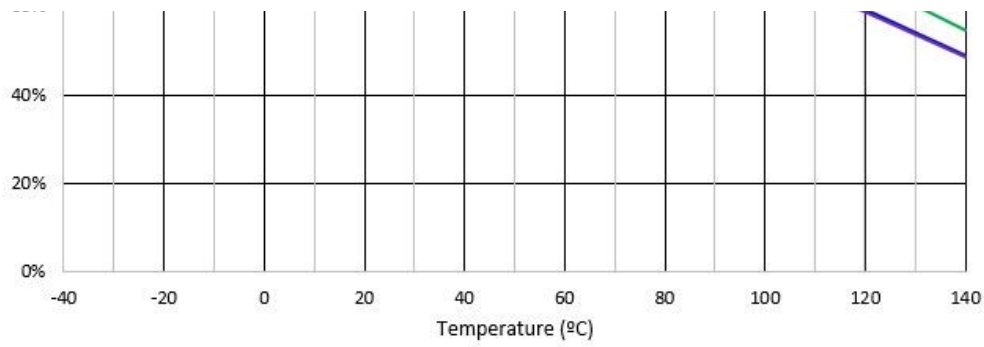
**** Characteristic curves are measured on standard Toroids (18/10/6 mm) at 25°C and 10 kHz unless otherwise indicated. Impedance characteristics are measured on standard shield beads (3.5/1.3/6.0 mm) unless otherwise indicated.

[Material Safety Data Sheet \(MSDS\)](#)

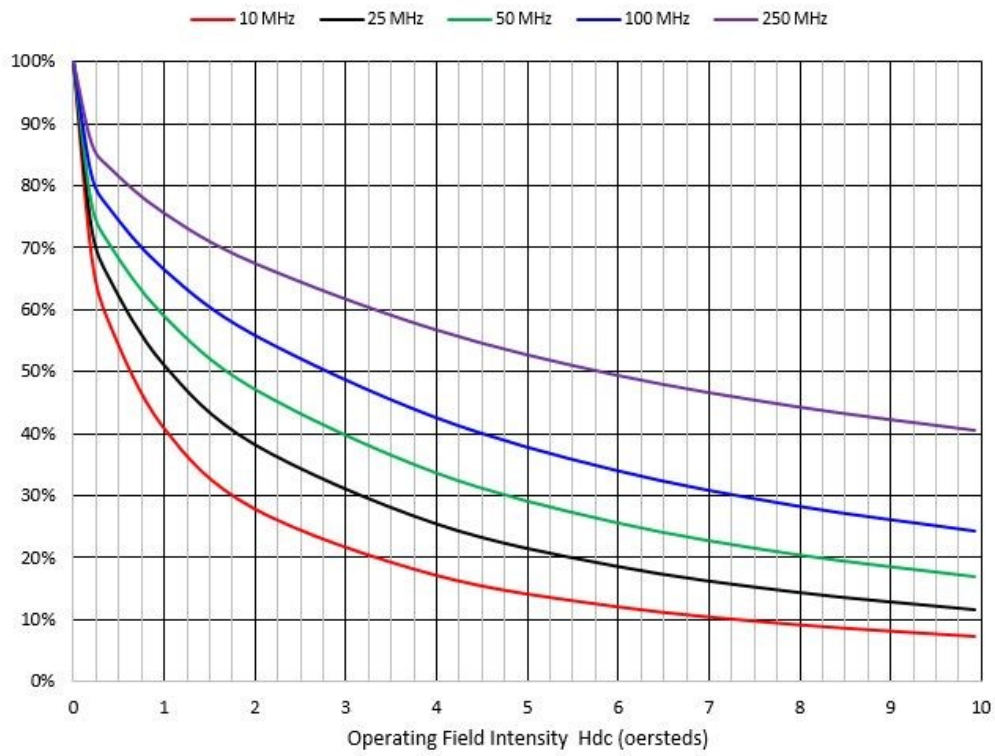
[Click here to download Complex Permeability vs. Frequency \(CSV\)](#)



**43 Material Incremental Permeability vs Field Strength****43 Material Amplitude Permeability at 10kHz****43 Material Impedance derating with Temperature**



43 Material Impedance derating with applied DC bias



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SDS

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