Ceramic Magnetics, Inc.
a Division of National Magnetics Group

MND5200

Ultra-High Density, Fine-Grained Mn-Zn Ferrite

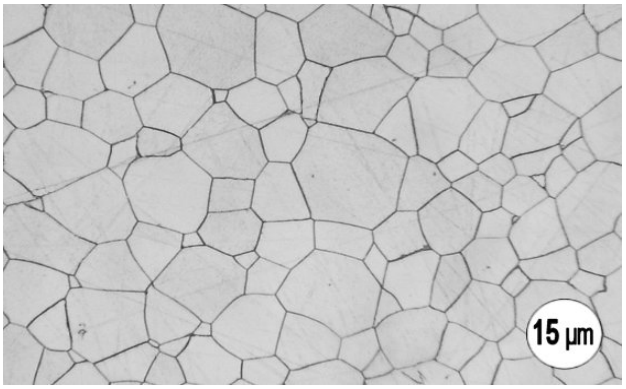
MND5200 was originally developed for recording head applications, but because of its' unique mechanical and phsyical properties, it now excels in such uses as specialty transformers, non-destructive testing, and current probes. Its' absence of porosity make it idealy suited for deposition and wear-resistant applications.

Typical Properties

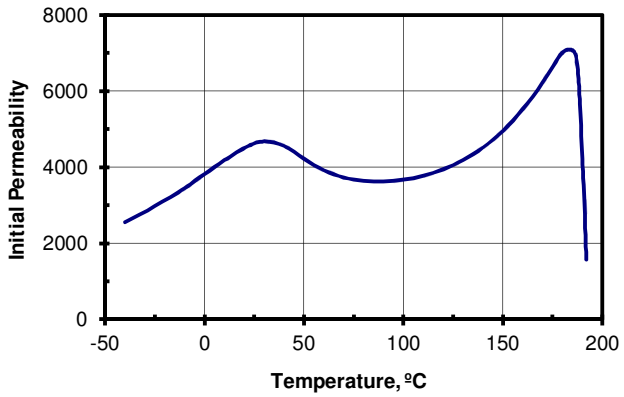
Initial Permeability	**4600**
Maximum Permeability	**6500**
Saturation Flux Density	**5200 Gauss**
Remanent Flux Density	**800 Gauss**
Coercive Force	**0.08 Oersted**
Curie Temperature	**195ºC**
dc Volume Resistivity	**225 ohm-cm**
Bulk Density	**5.07 g/cc**
Grain Size	**10 um**

Unless otherwise specified, all tests were performed at 10 KHz, 22ºC

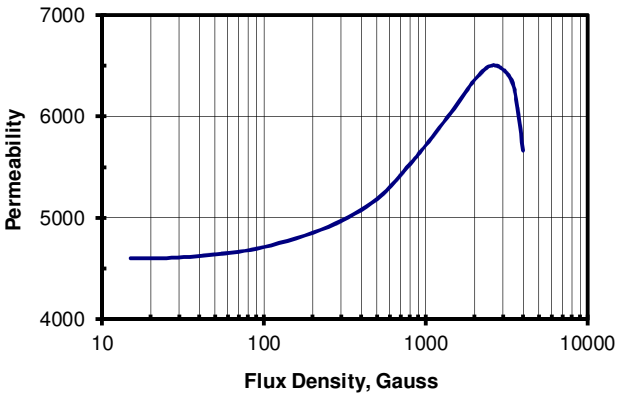
Bs tested at 1 KHz, 20 Oersted • Br, Hc at 1 KHz, 5 Oersted



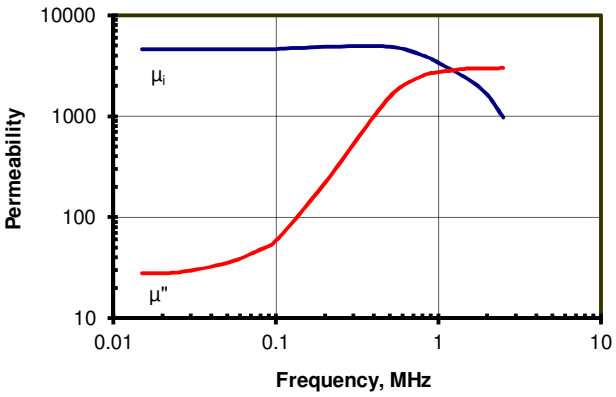
Initial Permeability vs. Temperature



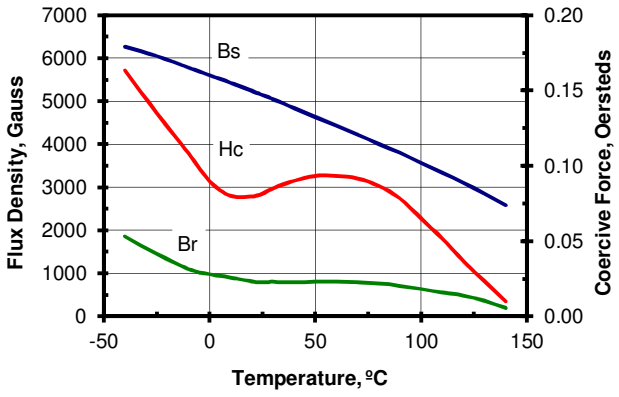
Permeability vs. Flux Density



Complex Permeability vs. Frequency



BH Loop Parameters vs. Temperature



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