

Nanopaint Ferromagnetic Ink

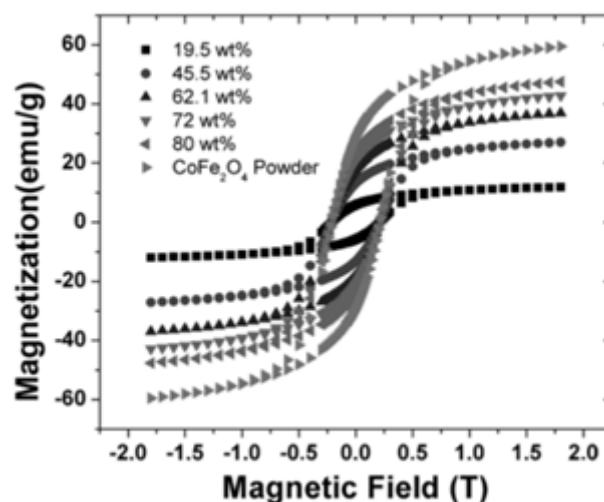
Nanopaint ferromagnetic ink are produced through a high quality process in order to exhibit a unique set of inherent magnetic proprieties. It can be applied on various substrates, such as glass, PET , PC or paper, by various techniques:

- Screen printing
- Doctor blade printing
- Stencil printing
- Spray printing

Nanopaint ferromagnetic ink is easily solubilized in various solvents showing distinctive properties such as:

- High dispersion and isotropy;
- Ferromagnetic behaviour with high magnetic response;
- Great flexibility allowing the production of flexible sensors;
- Easy processability allowing different sensor configurations;
- Custom formulation suitable for each type of printing technique.

Magnetization vs. magnetic field for a 50 µm thickness solvent-casting film.



Instructions:
Place the ink in ultrasonic bath around 30 minutes.
The ink is ready to be used.

Technical Properties

Melting Temp. range(°C)	108 - 150
Density (g/cm ³)	0.85 – 1.9

Magnetic properties	
Magnetization saturation (emu.g ⁻¹)	6
Remanence (emu.g ⁻¹)	3
Coercive Field (Oe)	2500

Screen Printing properties	
Mesh opening (µm)	104
Open area (%)	38
Mesh count, warp (n/cm)	59
Wire diameter, warp (µm)	63
Tension on mesh (N)	17-20