

MAGRON Ferromagnetic Ink

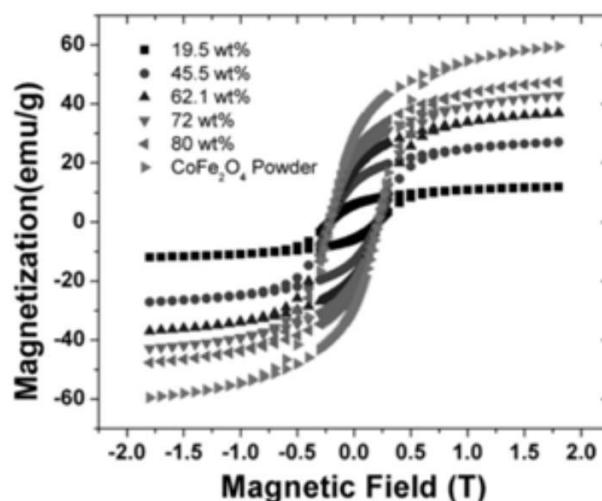
MAGRON ferromagnetic ink are produced through a high quality process in order to exhibit a unique set of inherent magnetic proprieties. It can be applied on various substrates, such as glass, PET , PC or paper, by various techniques:

- | | |
|--------------------|-------------------------|
| □ Screen printing | □ Doctor blade printing |
| □ Stencil printing | □ Spray printing |

MAGRON 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.



NOTE:

Mix the ink before use.

Do not use magnetic stirring!

Technical Properties

Melting Temp. range(°C)

Density (g/cm³) 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) 75

Open area(%) 35

Mesh count, warp (n/cm) 80

Wire diameter, warp (µm) 48

Tension on mesh (N) 17-20