# Ferrofluid data sheet EFH series

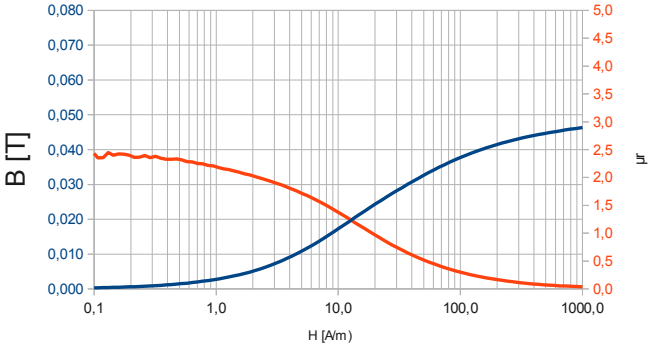
| Type | magn. Polarisation [mT] | Particle content [%vol] | Viskosität[1] [m Pas] | Pourpoint [°C] | Density[2] [Kg m$^{-3}$] |
|---|---|---|---|---|---|
| EFH1 | 44 ±20% | 7.3% | 6 ±20% | -94 | 1210 |
| EFH3 | 65 ±20% | 10.4% | 12 ±20% | -94 | 1420 |

Special-Ferrofluid for demonstration and educational purposes, with distinct visual reaction.

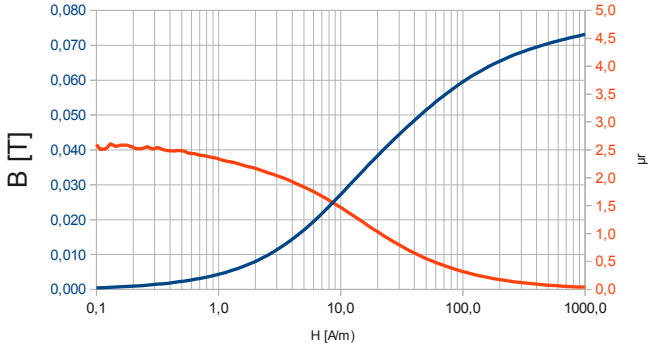
**Carrier liquid**: light hydrocarbon

**Particle diameter**: 10 nm

**Evaporation rate**: 9%, (1 h at 50°C)




*Polarisation und μr von EFH1*




*Polarisation und μr von EFH3*

Due to the high particle content, EFH3 reacts gives higher viscosity increase with the loss of carrier liquid.

Given values are either typical or relevant for quality control and specified with a tolerance.

1 by cone-plate-viscometer at 27 °C
2 by pyknometer, water as reference, accuracy approximately 0.05