

## Technical Data Sheet

Ferrofluid Type: PBG 400

### Specifications and Physical Properties

	CGS Units	SI Units
<b>Appearance</b>		Black-brown fluid
<b>Carrier Liquid</b>		Water-miscible
<b>Saturation Magnetization</b>	440 Gauss	44.0 mT
<b>Viscosity @ 27°C</b>	<4 cP	<4 mPa·s
<b>Avg. Particle Size</b>		10 nm
<b>Density</b>	1.40 g/ml	1.40 g/cm <sup>3</sup>
<b>Volume % Particle Concentration</b>		7.9
<b>pH</b>		7 - 8
<b>Nature of Surfactant</b>		Nonionic

*Note: There is a tendency for magnetic particles to form aggregates in water based ferrofluids. PEG coated ferrofluids are far more stable than standard water-based fluids, however observed behavior will be subject to actual storage conditions.*

Please contact your local office for information on the tolerances of these values.

For further technical data, please contact your local Ferrotec office:

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