

Technical Data Sheet

Ferrofluid Type: PBG 450

Specifications and Physical Properties

	CGS Units	SI Units
Appearance		Black-brown fluid
Carrier Liquid		Water-miscible
Saturation Magnetization	495 Gauss	49.5 mT
Viscosity @ 27°C	<5 cP	<5 mPa·s
Avg. Particle Size		10 nm
Density	1.45 g/ml	1.45 g/cm ³
Volume % Particle Concentration		8.8
pH		7 - 8
Nature of Surfactant		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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