

Technical Data Sheet

Ferrofluid Type: PBG 50

Specifications and Physical Properties

	CGS Units	SI Units
Appearance		Black-brown fluid
Carrier Liquid		Water-miscible
Saturation Magnetization	55 Gauss	5.5 mT
Viscosity @ 27°C	<2 cP	<2 mPa·s
Avg. Particle Size		10 nm
Density	1.05 g/ml	1.05 g/cm ³
Volume % Particle Concentration		1.0
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:

Ferrotec (USA) Corporation, USA
 Ferrotec Corporation, Japan
 Ferrotec (Iberia) S.A., Spain
 Ferrotec Shanghai, China
 Ferrotec Singapore, Singapore

(603) 472-6800
 +81-479-73-6752
 +34 9 16 13 16 53
 +86-21-63542967
 +65-293-1011

info@ferrotec.com
ffsales@ferrotec.co.jp
mvazquez@ferrotec.com
baowg@ferrotec.com.cn
info@ferrotec.com.sg