

## Technical Data Sheet

Ferrofluid Type: PBG 900

### Specifications and Physical Properties

	CGS Units	SI Units
<b>Appearance</b>		Black-brown fluid
<b>Carrier Liquid</b>		Water-miscible
<b>Saturation Magnetization</b>	990 Gauss	99 mT
<b>Viscosity @ 27°C</b>	<40 cP	<40 mPa·s
<b>Avg. Particle Size</b>		10 nm
<b>Density</b>	1.86 g/ml	1.86 g/cm <sup>3</sup>
<b>Volume % Particle Concentration</b>		17.7
<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:**

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](mailto:info@ferrotec.com)  
[ffsales@ferrotec.co.jp](mailto:ffsales@ferrotec.co.jp)  
[mvazquez@ferrotec.com](mailto:mvazquez@ferrotec.com)  
[baowg@ferrotec.com.cn](mailto:baowg@ferrotec.com.cn)  
[info@ferrotec.com.sg](mailto:info@ferrotec.com.sg)