

## MAGNATRON MK-10 Non-Fluorescent Magnetic Particle (Wet Method, Black)

MK-10 is a high-sensitivity black non-fluorescent magnetic particle. Non-fluorescent magnetic particle testing is a method that uses a test liquid containing dispersed non-fluorescent magnetic particles to easily detect surface-breaking defects in magnetized test specimens. Due to its small particle size, MK-10 enables clear detection of a wide range of defect indications.

If contrast with the background is difficult to achieve, using contrast-enhancing white paint can improve defect indication visibility. For use, disperse and suspend MK-10 in Blendex series dispersants (for water-based dispersion) or Magnetron Oil (for oil-based dispersion). It can also be dispersed and suspended in volatile solvents for transfer applications.

MK-10 is suitable for ferromagnetic steel materials, including rolled materials, cast and forged components, machined parts, and welds. It provides highly reliable defect detection not only for manufacturing and fabrication inspections but also for preventive maintenance (service inspections) and quality control.

### ■ FEATURES

- Simple steps produce clear defect magnetic particle indications.
- A widely used precision inspection magnetic particle for general applications.

### ■ PROPERTIES

Color	Black
Particle Size	$\leq 3 \mu\text{m}$
Recommended Concentration	2.0~10 g/L
Sedimentation Volume (Reference)	0.95~5.0mL /100mL

### ■ SPECIFICATION CONFORMANCE

- JIS Z 2320-2
- ASME B&PV Code, Sec.V
- ASTM E3024
- AMS3042

\* Please contact us regarding compliance to the latest standards and standards not listed in this TDS.

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## APPLICATIONS

- Welded parts
- Machined components
- Rolled materials
- Castings and forgings

## SPECIFICATION

NDT Method	Magnetic Particle Testing (MT) / Non-Fluorescent Magnetic Particle
Storage Temperature	32°F~104°F/0°C~40°C
Usage Temperature	40°F~134°F/5°C~57°C
Quality assurance period	3 years from the manufacturing date
Disposal	Dispose empty can in a safe manner in accordance with local/national regulations.

## CONTAINER

Can Type: 1 kg and 5 kg can

## SERVICE/CONTACT

Please be sure to read the SDS (Safety Data Sheet) before use.  
Please download the SDS from our website or contact our nearest sales office or distributor.  
For other inquiries about our products, please contact our nearest sales office.

Contact us →

