

MAGNATRON MK-15 Non-Fluorescent Magnetic Particle (Wet Method, Black)

The MK-15 is a high-sensitivity black magnetic particle that is non-fluorescent. Non-fluorescent magnetic particle testing is a method that uses a magnetic particle suspension containing non-fluorescent magnetic particle to easily detect surface-breaking defects in magnetized test specimens. The MK-15 has a relatively fine particle size, allowing for clear detection of a wide range of defect indication patterns.

If it is difficult to achieve sufficient contrast against the background, using contrast-enhancing white paint for coating can improve the visibility of defect indications. For use, the magnetic particle should be dispersed and suspended in a suitable medium, such as the Blendex series magnetic particle dispersant (for water dispersion) or Magnatron oil (for oil dispersion).

The MK-15 is applicable to ferromagnetic steel materials, including rolled products, cast and forged components, machined parts, and welds. It enables highly reliable defect detection not only during manufacturing and fabrication but also for preventive maintenance and quality inspections.

■ FEATURES

- Clear defect indications appear with simple steps.
- A widely used magnetic powder suitable for general precision inspections.
- Also available as an aerosol product for excellent portability and ease of use.

■ PROPERTIES

Color	Black
Particle Size	2~5 μ m
Recommended Concentration	2.0~20 g/L (Aerosol: 15 g/L)
Sedimentation Volume (Reference)	0.15~1.4mL /100mL

■ SPECIFICATION CONFORMANCE

- JIS Z 2320-2
- ASME B&PV Code, Sec.V
- ASTM E3024
- AMS 3042 (Magnetic particle)、3043 (Aerosol)

* 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	Can : 32°F~104°F(0°C~40°C) / Aerosol : less than 104°F(40°C)
Usage Temperature	40°F~134°F/5°C~57°C
Quality assurance period	3 years from the manufacturing date
Disposal	Aerosol: After using up the contents, press the button outside in a fire-free area until the spray sound disappears, vent the gas completely. Cans: Dispose empty can in a safe manner in accordance with local/national regulations.

■ CONTAINER

Can Type: 1 kg and 5 kg can

Aerosol Type: 450 type Aerosol

■ 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 →

