

MAGNATRON MA-30 Non-Fluorescent Magnetic Particle (Wet Method, Red)

MA-30 is a high-sensitivity red 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. MA-30 has a smaller particle size than other non-fluorescent magnetic particles, enabling the clear detection of a wide range of defect indications.

This product is suitable for cases where contrast is difficult to achieve using black or white magnetic particles, such as when the background is gray. For use, disperse and suspend MA-30 in Blendex series dispersants (for water-based dispersion) or Magnetron Oil (for oil-based dispersion).

MA-30 can be applied to ferromagnetic steel materials, including rolled materials, cast and forged components, machined parts, and welds. It is highly reliable for detecting defects not only in manufacturing and fabrication inspections but also in preventive maintenance (service inspections) and quality control.

■ FEATURES

- Simple steps produce clear defect magnetic particle indications.
- A general-purpose magnetic particle widely used for standard inspections.

■ PROPERTIES

Color	Reddish brown
Particle Size	5-30 μ m
Recommended Concentration	10~20 g/L
Sedimentation Volume (Reference)	0.55~1.10mL /100mL

■ SPECIFICATION CONFORMANCE

- AMS3042
- ASME B&PV Code, Sec.V
- ASTM E3024

* 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 →

