

PFINDER 190

Magnetic particles, fluorescent

Version 1 / (GB)
811 1900
22.01.2010

Description

PFINDER 190 is a magnetic powder based on yellow-green fluorescent, ferromagnetic pigments for magnetic particle testing. With PFINDER 190 surface defects of magnetizable materials can be indicated under UV-light (365nm). The magnetic powder PFINDER 190 is to be suspended in carrier oil (e.g. PFINDER 551) or water. For use in water the additive concentrate PFINDER 530 has to be added.

For best results add a small amount of oil to the powder and form a slurry, prior to addition to the bath.

Product benefits

- Excellent, sharp indications.
- Free of silicone, sec. amines, nitrites/halogens.
- Not hazardous acc. 1999/45/EC.

Approvals / conformities

The product conforms to the following specifications / is suitable for use according to:

AMS 3044, API RP 5A5, ASME B&PV, ASTM E709, ASTM E1444, MIL-STD-271, MIL-STD-1949, MIL-STD-2132.

Further conformities on request.

Please respect the relevant rules and specifications for your application.

Application

The ideal use concentration may vary according to magnetisation strength, surface conditions, after-magnetisation terms and flushing time. Therefore following values should only be understood as an indication:

1 g PFINDER 190 per Liter carrier medium (1%ig).

Process description according EN ISO 9934-1 see www.magneticparticletesting.com.

The capability of the magnetic particle suspension should be checked regularly by means of own reference pieces or e.g. reference block 1 according EN ISO 9934-3 (Art. no. 811 0000).

For handling of UV-light we generally recommend the use of suited protection wear, e.g. PFINDER safety glasses with 100% UV-filter (Art. no. 811 0600).

Technical data

Density/15°C		approx. 0,4 g/mL
Particle size dm		approx. 5µm
Temperatur resistance	in carrier medium	up to 48°C

Delivery form

Black-green powder.

Packages

500g-package.

Storage / shelf-life

Between +5°C and +45°C at least 4 years.

www.magneticparticletesting.com

The information contained herein is correct to the best of our knowledge. The recommendations or suggestions contained in this bulletin are made without guarantee or representation as to results. We suggest that you evaluate these recommendations and suggestions in your own laboratory prior to use. Our responsibility for claims arising from breach of warranty, negligence, or otherwise is limited to the purchase price of the material.

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