

PFINDER 150

Magnetic particle suspension, fluorescent

Version 4 / (GB)
811 1500
11.04.2011

Description

PFINDER 150 is a ready-to-use-suspension of fluorescent magnetic particles in low viscos carrier oil with special additives for magnetic particle testing. With PFINDER 150 surface defects of magnetizable materials can be indicated under UV-light (365nm).

The product is used directly and undiluted.

Product benefits

- Excellent, sharp indications.
- Nearly odourless.
- Compatible with non-ferrous materials.
- Free of silicone, sec. amines, nitrites/halogens.

Approvals / conformities

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

EN ISO 9934-2, ASME V Art.7, ASTM E 1444, ASTM E 709, AMS 2641, AMS 3044, AMS 3045, AMS 3046, RCCM, PMUC.

Low content of sulfur and halogens according to EN ISO 9934-2.

Please respect the relevant rules and specifications for your application.

Application

Apply PFINDER 150 while magnetizing. Indications will appear immediately under UV-light (365nm).

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 (active component)

Density/20°C	DIN EN ISO 12185	approx.760 kg/m ³
Viscosity/20°C	DIN EN ISO 3104	approx. 3,0 mm ² /s
Flashpoint	ASTM D 93	approx. 101°C
Content of magnetic particles	EN ISO 9934-2	approx. 0,1 g/L
Particle concentration	ASTM	0,2 mL/100mL
Fluorescent coefficient	EN ISO 9934-2	approx. 2,5 cd/W
Particle size dm	Pfinder 80.900Q01	approx. 3µm
Temperatur resistance	EN ISO 9934-2	>60°C

Technical data (spray can)

Flashpoint	<-40°C
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Delivery form

Clear liquid with red-brown powder.

Packages

30-L-package, 5-L-canister, 500-mL-spray can.

Storage / shelf-life

Between +5°C and +45°C at least 2 years.

Spray cans: Between +5°C and +45°C at least 3 years .

Stir or shake well before use!

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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