PFINDER 251
MAGNETIC PARTICLE SUSPENSION
BLACK
oil-based, ready to use

DESCRIPTION
PFINDER 251 is a ready-to-use-suspension of black magnetic particles in low-viscos carrier oil with special additives for magnetic particle testing. With PFINDER 251 surface defects of magnetizable materials can be indicated under daylight conditions.

The particle concentration of PFINDER 251 meets the requirements of ASTM / AMS. PFINDER 251 is suitable for testing at temperatures between 0°C and +50°C (temperature of work part).

The product is applied by direct spraying on the surface to be tested.

APPLICATION
Cover surfaces to be tested thinly and evenly with white contrast paint PFINDER 280. Allow to dry. Apply PFINDER 251 while magnetizing. Black indications will appear immediately on the white background.

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.

Process description according EN ISO 9934-1 see www.pfinder-ndt.de.

PACKAGES IN STOCK / STORAGE CONDITIONS
500-mL-spray can (for 360° application). These packages are on stock and instantly available. Other packages on demand.

Storage between +5°C and +45°C. Shake well or stir before use!

YOUR HANDLING + COST SAVING BENEFITS
• Excellent sharp, quick and stable indications
• Product complies with all common specifications
• Compatible with non-ferrous materials

YOUR GREEN NDT BENEFITS
• Nearly odourless
• Free of silicone, sec. amines, nitrites/halogens
• Aerosol spray can with minimized carbon footprint

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

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

Please respect the relevant rules and specifications for your application.

SHELF-LIFE
3 years

SHIPPING / PACKAGING

TECHNICAL PROPERTIES
Density/20°C DIN EN ISO 12185 approx. 783 kg/m³
Viscosity/20°C ASTM D 445 approx. 2.0 mm²/s
Flash point ASTM D 93 approx. 70°C
Particle size DM Pfizer 080-900201 approx. 1.5µm

Settlement volume AMS 3041 approx. 1.2-2.4ml/100ml
Settlement volume AMS 3043 approx. 1.8ml/100ml

Data of products packaged in aerosol spray cans might differ.

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 to 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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