

PFINDER 251

MAGNETIC PARTICLE SUSPENSION

BLACK

oilbased | 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 daylightconditions. 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(temperatureof workpart). Theproductis applicatedbydirect sprayingon thesurfacedto betested. **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 appearimmediately on thewhite 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. Processdescription according ENISO 9934-1seewww.pfinder.com.

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YOUR GREEN NDT BENEFITS

- | Nearly odourless
- | Free of silicone, sec. amines, nitrites/halogens
- | Aerosol spray can with minimized carbon footprint



YOUR HANDLING + COST SAVING BENEFITS

- | Excellent sharp, quick and stable indications
- | Product complies with all common specifications
- | Compatible with non-ferrous materials

APPROVALS & CONFORMITIES

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

EN ISO 9934-2 | ASME V Art.7 |
ASTM E 1444 | ASTM E 709 |
AMS 2641 | AMS 3041 |
AMS 3043

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

PACKAGING

500-ml-spray can (for 360°application) | 5-l-canister
These packages are on stock and instantly available. Other packages on demand.

SHELF-LIFE & STORAGE

3 years
Storage between+ 5 °C and+ 45 °C.
Shake orstirrwellbeforeuse!

CHARACTERISTIC DATA	Specification	ENISO	Unit	Value
Density/20 °C	12185		kg/m³	approx. 783
Viscosity/20 °C	ASTM D 445		mm2/s	approx. 2,0
Flash Point	ASTM D 93		°C	approx. 70
Particle size dm	PFINDER 080.900Q01		µm	approx. 1,5
Settlement volume	AMS 3041		ml/100ml	approx. 1,2 –2,4
Settlement volume	AMS 3043		ml/100ml	approx. 1,6



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