



# Magnetic Particle Testing

Product information

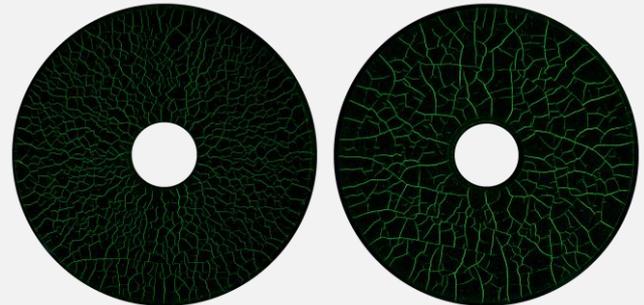
MR<sup>®</sup> 76 F Magnetic powder suspension, fluorescent

**MR**<sup>®</sup>  
CHEMIE  
NDT-materials

## PRODUCT DESCRIPTION

- Magnetic particle suspension for fluorescent Magnetic Particle Testing according to EN ISO 9934-1
- Oil based
- Ready for use, incl. additives
- Clear, precise indications
- Especially suitable for polished surfaces
- Low fluorescent brightness, especially suitable for darkened rooms
- Low background fluorescence
- Odourless
- Aerosol can is overhead sprayable – 360°

## PRESENTATION ON REFERENCE BLOCK 1



Front

Back

## PRODUCT CHARACTERISTICS

|                                |                         |
|--------------------------------|-------------------------|
| Form:                          | suspension              |
| Basis:                         | oil                     |
| Colour under daylight:         | dark green              |
| Colour under UV light (365nm): | green yellow            |
| Odour:                         | odourless               |
| Fluorescence coefficient:      | 1,9 cd/W                |
| Medium grain size $d_a$ :      | 6 $\mu\text{m}$         |
| Density (20°C):                | 0,780 g/cm <sup>3</sup> |
| Dynamic viscosity (20°C):      | 2,100 mPa s             |
| Flash point (bulk):            | 75°C                    |
| Sediment (1h):                 | 0,20-0,30ml/100ml       |
| SAE Sensitivity*:              | 9                       |

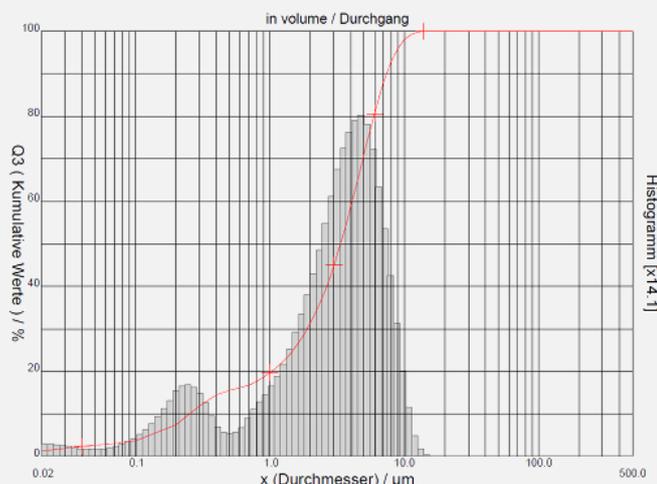
\*performed with AISI 01 Ketos Ring  
(as defined in SAE AS5282), magnetized with 2500A HWDC

## APPROVALS/SPECIFICATIONS

|                         |   |
|-------------------------|---|
| EN ISO 9934-2           | ✓ |
| AMS 3044                | ✓ |
| AMS 3045                | ✓ |
| AMS 3046 (Aerosol only) | ✓ |
| AMS 2641 Type 2         | ✓ |
| ASTM E709               | ✓ |
| ASTM E1444/1444M        | ✓ |
| ASME Code V, Art. 7     | ✓ |
| ASME B & PV Code, Sec V | ✓ |
| RCCM                    | ✓ |
| PMUC                    | ✓ |

Low content of halogens and sulphur according to EN ISO 9934-2 and ASME Code V, Section V, Article 7

## GRAIN SIZE DISTRIBUTION



## MINIMUM SHELF LIFE

- Bulk: 4 years, stored at storage temperature
- Aerosol: 3 years, stored at storage temperature

## TEMPERATURES

- Storage: +5 - +45°C
- Usage: -10 - +65°C

## DELIVERY FORM



(1 box = 12 cans)

## FURTHER INFORMATION

- Process description according to EN ISO 9934-1 available on request or on [www.mr-chemie.de](http://www.mr-chemie.de).
- Shake test media well before use.

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\*\*Technical changes reserved!\*\*

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