



Magnetic Particle Testing

Product information

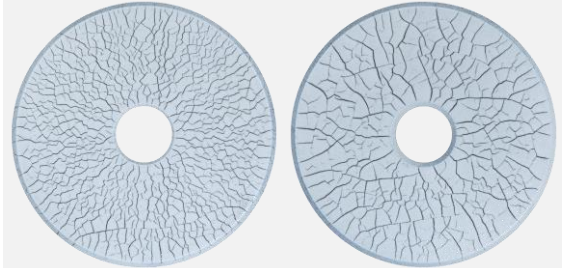
MR® 210 Magnetic powder black

MR[®]
CHEMIE
NDT-materials

PRODUCT DESCRIPTION

- Highly sensitive powder with ferromagnetic particles for wet testing and dry testing at warm and high temperatures
- 1:100 to 1:1000 suspendable in water or oil
- Sediment 1:1000 (Dematic):
0,10-0,20 ml / 100 ml (1 h)
- Sediment 1:200 (Standard):
0,6-1,2 ml / 100 ml (1 h)
- Sediment 1:100 (ASTM E1444/1444M):
0,10-0,20 ml / 100 ml (1 h)
- Processing temperature <500 °C
- Suitable for bright surfaces. For dark surfaces please use with MR® White contrast paint
- No declaration of hazardous ingredients – ECO-LINE

PRESENTATION ON REFERENCE BLOCK



Front

Back

PRODUCT FEATURES

Form:	fine dry magnetic powder
Colour under daylight:	black
Carrier Media:	water + MR® 303 or isoparaffins
Odour:	odourless
Flash point (bulk):	> 500°C
Medium particle size:	2-3 µm
Drop volume:	Depending on concentration / 100ml
*SAE sensitivity:	9

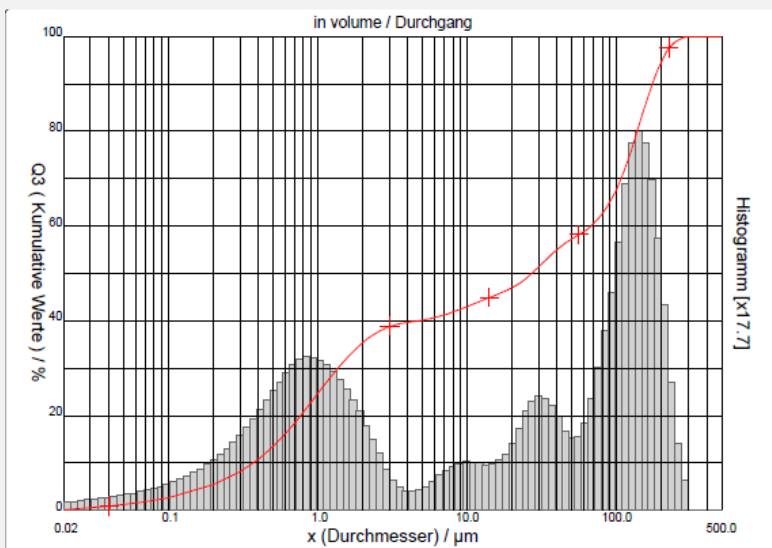
* performed with AISI 01 Ketos ring (as defined in SAE AS5282), magnetized with 2500 HWDC

APPROVALS / SPECIFICATIONS

EN ISO 9934-2	✓
AMS 3042	✓
ASTM E709	✓
ASTM E1444/1444M	✓
ASME Code V, Art. 7	✓
ASME B & PV Code, Sec. V	✓
RCC-M	✓

Low content of sulphur and halogens acc. to EN ISO 9934-2.

GRAIN SIZE DISTRIBUTION



SHELF LIFE

- 4 years at room temperatures

TEMPERATURES

- Storage: +5 - +45°C
- Usage: depending on carrier medium

DELIVERY FORM



FURTHER INFORMATION

- Process description acc. to EN ISO 9934-1 available on request or on www.mr-chemie.de/en
- Shake test medium well prior to use