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OIL BASED BLACK MAGNETIC DETECTING MEDIUM FOR MAGNETIC TESTING

MANUFACTURER: BABB CO

DESCRIPTION / APPLICATION(S):

KP 42 is a ready-to-use product designed to be used primarily for tests carried out on site, at the workshop, etc.

.Companion product(s): B 104A white background.

SPECIFICATIONS / STANDARDS :

- Conform to Code : ASME, RCC-M
standards: ISO 9934-2
NFF 00-090
ASTM E1444
AMS 3041 – AMS 2641
- Approved PMUC (French acronym for : Products and Equipments allowed for use in power plants by EDF-French Electricity Board)
- This product complies with REACH regulation.


PHYSICO-CHEMICAL PROPERTIES:

- Flash point: > 60°C
- Powder content: 6 g/L at least
- Particle size: 1 to 10 µm (average 2µm)
- Settlement rate : 1,2 to 2,4 mL for 100mL after 60 minutes (ASTM D96)
- % aromatics: < 0.02 %

PACKAGING/TRANSPORT/STORAGE:

. Packaging: 10L can

. Transport / Handling : refer to MSDS (material safety data sheet)

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- . Storage / Shelf life: Temperature: 0 to + 50°C, if possible store the product at a lower temperature than 25°C.
Keep away from light, in a reasonably ventilated room.
Keep the packaging closed after taking out some of the product.
Can : 48 months.

INSTRUCTIONS :

It is recommended to spray the B 104A contrast white background first, in order to better improve seeability of black indications that appear against the uniform white background.

KP 42 is practically always used as a lost product. However, its performance may be checked with test panel.

For 3 to 5 seconds spray KP 42 while magnetizing the part. Let magnetizing on for 2 or 3 seconds after spraying ends.

Inspect with more than 500 lux or 1000 lux, depending on applicable specifications, when used in plain visible light, according standard EN ISO 3059 (*it is recommended to use a “cool white” light, colour temperature being more than 4500K and colour rendition index more than 80 or light with an illuminating index of D65. It is recommended NOT TO USE undervoltaged incandescent bulbs, as it often happens with battery-operated units, this giving a yellowish light*).

HEALTH AND SAFETY : refer to MSDS.

The information given herein is given in good faith to our customers for the sole purpose of assisting them in the use of the products. The document contains no formal or implicit guarantee regarding its use.

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