FlawGlo®

Product Data Sheet

WF 834

Water Based Fluorescent Powder

WF 834 is a dry powder concentrate composed of fluorescent yellow-green particles mixed with Wetting Agent. When used with UV-A light, it detects fine discontinuities in finished products. Wetting Agent boasts low foaming and excellent wetting characteristics. This solution is ideal for magnetic particle inspection of ferromagnetic materials.

General Appearance:

- Aspect: Fluorescent yellow-green powder

Properties:

- Concentration: 5 g/ltr
- Temperature Limit: 32-120°F (0-49°C)
- Specific Gravity: 0.6g/ml
- Particle Size: Not less than 98% passage through sieve as defined in AMS 3044. The typical range of particle sizes is from 2 to 5 µm, with an average particle size of 3 µm.
- Sensitivity: WF 834 shows a minimum of 8 lines on a Ketos tool steel ring (as defined in SAE AS5282), set on a 25mm diameter copper bar, magnetized with 2500 A of direct current.

Compliance & Specifications:

- AMS 3044
- API RP 5A5
- ASME B&PV
- ASTM E709
- ASTM 3024
- ASTM E1444
- MIL-STD-271
- MIL-STD-2132
- NAVSEA 250-1500-1

Shelf Life:

Four (4) years, when closed containers are stored in a clean, dry environment away from excessive heat and cold.

Pack Sizes: 1kg container

Application:

- Lighting: The inspection area should be darkened such that no more than 2 foot candles (20 lux) of white light is present. A UV-A light source capable of 1000 µW/cm2 at the part surface is recommended.
- Preparation: WF 834 should be used at a concentration of 5.0 g/ltr . For best results, add a small amount of water to the powder to form a slurry prior to addition to the bath.
- Settling bulb volume: 0.15 – 0.25 ml

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MADE IN INDIA

ATPL / PDS / FlawGlo WF 834 2026/01