



Technical Data Sheet

FlawGlo WF 834

Water Based Fluorescent Powder

FlawGlo WF 834 is a dry powder concentrate composed of fluorescent yellow-green particles mixed with Wetting Agent. It dissolves directly in water, creating fluorescent magnetic solution. 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
- Sensitivity: FlawGlo 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.
- 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.

Approval & Specification:

- ASTM E 1444,
- ASTM E 3024,
- AMS 3044,
- MIL-STD-271,
- NAVSEA 250-1500-1,
- NTR-1E.

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

Pack size: 1kg container

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