



## Technical Data Sheet

### FlawGlo OV 106

Oil Based Non-Fluorescent Powder

FlawGlo OV 106 are black magnetic particles for use with FlawGlo carrier fluid (CF), a refined petroleum distillate. It is designed to be used with visible light for finding discontinuities in finished products. Higher particle concentration provides heavier indication buildup for easy detection.

#### General Appearance & Composition:

- Aspect: Black colored powder

#### Properties:

- Concentration: 9.5 g/ltr
- Specific Gravity: 0.4 g/ml
- Particle Size: Not less than 98% passage through sieve as defined in AMS 3042. The typical range of particle sizes is from 0.5 to 4.0  $\mu\text{m}$ , with an average particle size of 1.5  $\mu\text{m}$ .
- Sensitivity: FlawGlo OV 106 shows a minimum of 6 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.
- Temperature Limits: 32-120°F (0-49°C)

#### Approval & Specification:

- MIL-STD-1949
- AMS 3042
- MIL-STD-271
- NAVSEA 250-1500-1
- NTR-1E
- ASTM E-3024

**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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