



Technical Data Sheet

BMI 106

Black Magnetic Ink

FlawGlo BMI 106 is an aerosol spray can of FlawGlo OV 106 black particles. It is designed to be used with visible light inspection for detecting discontinuities found in finished products and structural fabrications. Higher particle concentration provides heavier indication buildup for easy detection. This aerosol is packaged in a carbon dioxide propellant for odor-free, fume-free, non-combustible inspection. FlawGlo BMI 106 can be used with FlawGlo WCP 104.

General Appearance:

- Aspect: Suspended Black Magnetic Ink

Properties:

- Concentration: 12 g/ltr
- Color: Black
- Temperature: Maximum 120 °F (49 °C)
- Particle Size: Not less than 98% passage through defined in AMS 3042. The typical range of particle sizes is from 0.5 to 4.0 µm, with an average particle size of 1.5 µm.
- Sensitivity: BMI 106 shows a minimum of 6 lines on AISI Ketos tool steel ring (as defined in SAE AS5282), set on a 25mm diameter copper bar, magnetized with 2500 A of direct current.

Approval & Specification:

- ASTM E-3024
- MIL-STD-271 (SH)
- AMS 3042
- NAVSEA 250-1500-1

Application:

- Thoroughly clean surface to be examined.
- Shake can vigorously for fifteen seconds and occasionally during use.
- Point spray button toward inspection surface, holding can 7 to 9 inches (18 to 24 cm) from surface.
- Spray solution onto suitable, magnetized surface until the surface is thoroughly covered with solution.
- Examine the surface under visible light for indications.
- If clogging develops, turn spray button 1/4 turn. If clogging persists, remove and clean spray button. DO NOT put pin or another object into can opening. Gently replace spray button with a twisting motion, holding top of can and spray button opening pointed away from you.

Shelf Life : Two (2) years when stored in a clean area, away from excessive heat or cold.

Pack size: Aerosol Can 420ml

Disclaimer: Our technical advice, information and statements given verbally, in writing or in the form of test results, are offered for your guidance without warranty. No warranty of fitness for a particular purpose is made. It is the user's responsibility to test the suitability of each product for his intended process and applications. Our guarantee is limited to the consistent quality of our products.