

MPI-1400

Met-L-Chek® MPI-1400 is a fluorescent magnetic particle powder designed for high sensitivity wet method inspection. MPI-1400 meets the requirements of AMS 3044 and ASTM E-1444.

Met-L-Chek® MPI-1400 is mixed with Met-L-Chek® MPI-Fluid C2 at the rate of 1.7 g/L or 0.22 oz/gallon to form a 0.35 concentration in 100mL. It meets the requirements of AMS-3044 and ASTM E-1444 for fluorescent wet method magnetic particle inspection. MPI-1400 is available in pre-measured bath shots for easy concentration control; 1 bath shot per 5 gallons (18.9 L) of bath.



NDT Classification

- Type: Fluorescent
- Method: Wet (Oil)

Available Sizes

- 1.1 lb. (500 g)
- 2.2 lb. (1 Kg)
- 12 lb. (5.4 Kg)

NSN Information

- No NSN Numbers

Specifications

- | | |
|--------------------|------------------------|
| • AMS 3044 | • IN-5300 |
| • API RP 5A5 | • MIL-STD-1949 |
| • ASME B&PVC Sec V | • MIL-STD-2132 |
| • ASTM E-1444 | • P & W MPM |
| • ASTM E-3024 | • NAVSEA 250-1500-1 |
| • ASTM E-709 | • NTR-1 E |
| • BAC 20-20-02 | • PS 21201 |
| • BAC 5424 | • T9074-AS-GIB-010/271 |
| • BSS 7040 | |

Typical Physical Properties

Form	Dark blue black, fluorescent green powder
Particle Size	1-12 μ
Fluorescence	Yellow green
SAE Relative Sensitivity	7-8

Use Instructions

Visit www.Met-L-Chek.com to view detailed processing method guides.

Notes Prior to Handling

Before using Met-L-Chek® products, all safety and operating instructions should be read and understood. If you have any questions, please contact your Met-L-Chek® representative before proceeding. For complete health and safety information, refer to the product's Safety Data Sheet. Met-L-Chek® Safety Data Sheets can be requested online at www.Met-L-Chek.com

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Met-L-Chek® manufactures a complete line of Nondestructive Testing materials including penetrants used in fluorescent (Type 1) and visible (Type 2) dye penetrant inspection, wet and dry magnetic particle inspection, and a variety of specialty testing materials.

CAUTION: Before using any of these products, you must become completely familiar with the safety and hazard information contained in our safety data sheets regarding these products. McGean-Rohco, Inc. (the seller) presents the information contained herein without warranty and disclaims any liability from its use or misuse. Seller recommends use of the information Seller's products solely in commercial processes which are specified by Seller and which do not violate any third party patent rights or any laws or regulations. The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose except as expressly stated in the seller's sales contract or sales acknowledgement form.



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