



DETECTABLE PERMANENT MARKER

PERMANENT PERFORMANCE



Product Description:

The Metal Detectable Capped Permanent Marker is designed for use in food processing, pharmaceutical, and other hygiene-critical industries. Made from high-density polyethylene with a non-toxic, metal-detectable additive, it is easily recognized by properly calibrated in-line metal and X-ray detection systems, enhancing safety and traceability.

Available in medium and fine tip options, this marker features Sureflow ink, ensuring reliable performance even if left uncapped for several days. Its alcohol-based ink delivers permanent markings on a variety of surfaces, including wood, plastic, glass, concrete, and clean or printed metals.

Advantages

- Permanently marks most surfaces, including wood, plastic, glass, concrete, and metal
- Available with standard and fine tip nibs in a variety of ink colors to suit specific requirements
- Sureflow ink means the pen will continue to write for several days with the cap left off
- Compliant with EU & FDA food contact legislation, including mandatory EU migration test standards
- Can be used as part of HACCP and BRC procedures
- Displays due diligence in the prevention of foreign body contamination

Housing Material

Body - HDPE
End Plug - LLDPE

Pack Quantity

10

Pack Weight

7.05 oz.

Nib Material

Polyester

Nib Styles

Bullet Tip & Fine Tip

Body Colors Available

■ Blue

Ink Colors Available

■ Blue ■ Black
■ Red ■ Green

Write Out Length

Bullet Tip - 3,000FT
Fine Tip - 1,300FT

Ink Specs

ASTM D-4236 TRA

Commodity Code

96082000

Item Number

Bullet Tip - D1014
Fine Tip - D1016



TESTING RESULTS

FDA Food Contact Status

Our Detectable Polypropylene Co-Polymer complies with FDA regulations for food contact applications as outlined in 21 CFR 177.1520 (a)(3)(i), (b), and (c)(3.1a). It is approved for use with all food types under conditions of use C through H (21 CFR 176.170(c), Table 2), excluding cooking applications.

Additionally, all mineral additives and pigments used are either GRAS (Generally Recognized As Safe) or FDA-approved under specific regulations.

EU Food Contact Status

The Detectable Polypropylene Co-Polymer in various colours is manufactured in line with the relevant requirements of 2023/2006/EC on good manufacturing practice (GMP) for materials and articles intended to come into contact with food.

The raw materials used in the manufacturing process of the above mentioned materials (XDETECT 2.0 in various colours) can be considered suitable for food contact applications in terms of compliance with European regulations. The raw materials used meet the relevant requirements of EU Framework Regulation 1935/2004 on materials and articles intended to come into contact with food.

X-Ray Visibility

X-ray visibility depends on material density, so our Detectable Polypropylene includes a food-safe, high-density additive for improved detection. Testing shows consistent positive readings for whole pens and fragments as small as 5mm, though detection may be reduced when fragments are buried in denser products. Performance varies by product type and density, so we recommend professional testing and potential recalibration of x-ray inspection systems to ensure reliable detection.

Metal Detectability

Our Detectable Polypropylene Co-Polymer is an electromagnetically detectable and x-ray visible plastic, with a stainless steel ink cartridge. Metal detectability varies based on factors such as calibration levels, product type, aperture dimensions, and orientation, with the “orientation effect” influencing detection sensitivity. Our testing used a worst-case scenario approach, equating pen components to ferrous ball test piece equivalents for calibration ease. As metal detector sensitivity varies, BSC recommends professional testing and potential recalibration of detection systems to ensure reliable performance. UKAS-accredited test pieces are available for purchase.

Additional Details

✓ Kosher ✓ Halal