Product Description Permanent Markers

Part Number: MFTPEN

Product Description:

The body and cap of our Detectectable Fine Tip Permanent Markers are molded from high-density polyethylene, containing a non-toxic metal detectable additive. This compound can be detected by correctly calibrated in-line metal detection systems.

The Detectectable Fine Tip Permanent Markers features Sureflow ink, meaning the pen will continue to write for several days, even if the cap is left off. This alcohol-based ink will permanently mark most surfaces, including wood, plastic, glass concrete and clean or printed metals.

Ink Colors: Black, Blue, Red & Green
Body Color: Blue
Pack Size: Pack of 10

Product Advantages:

- Detectable by conventional metal and x-ray detection systems
- FDA, EU and Japanese Food Contact Approved
- Permanently marks most surfaces including wood, plastic, glass, concrete and metal
- Shatter resistant, lanyard compatible and feature Sureflow
- Highly visible bright blue body colour for easy visual identification
- Displays "All Due Diligence" in the prevention of foreign body contamination

Product Materials:

Marker body and cap manufactured from metal detectable high-density polyethylene, bullet style medium thickness nib manufactured from polyester.

Handling / Storage:

Store at normal room temperature, keep away from direct heat and keep in original container.

Ink Temp Range:

The permanent ink will work in temperature ranges up to 50°C. They will also work in freezing temperatures however, if the cap is left off the nib for longer periods of time at freezing temperatures the nib with solidify due to the sureflow additive that is used to stop the ink from drying out.

DETECTAPRO
Metal Detectable Products

866-441-5572 • www.detectapro.com • info@detectapro.com

Ink Properties:

Property	Value
Hazard Identification:	With normal use, no known hazards
Stability / Reactivity:	Product is stable
Eco Toxicity:	Harmful to aquatic organisms and to the aquatic environment in general.
Regulatory Information:	R11: Highly Flammable. R22 Harmful if swallowed. R52/53: Harmful to aquatic organisms, may cause long-term effects in the aquatic environment. S25: Avoid contact with eyes. S:26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Volatility	80%
Specific Gravity	0.815 - 0.835

Ink Specification

EN 71-3:2013 + A1:2014	EN71-9:2005+A1:2007
EU / US / CA TRA	ASTM D-4236 TRA

Safety Certificates / Approvals

FDA Approved	Kosher Certified	ISO 9001:2015
EU Compliant	BRC Compliant	Made In Britain

Ink Safety:

Ink contact with skin is not considered hazardous when coming into contact with skin through normal use. In the event of abnormal use causing health problems please refer to the below information:

Route	First Aid
Oral:	Give plenty of water to drink if ingestion is suspected
Skin Contact:	Wash skin with soap and water
Eye Contact:	Irrigate with water for ten minutes - obtain medical attention
Inhalation:	Remove from exposure - in severe cases obtain medical attention

Food Contact Status (EU)

The material HDPE 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 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. All monomers, starting substances and additives used to manufacture these grades are listed in Commission Regulation (EU) No. 10 (2011) on plastic materials and articles intended to come into contact with food. Colourants used are compliant with European Council Resolution AP(89) 1 on the use of colourants in plastic materials coming into contact with food.

Food Contact Status (FDA) HDPE Material (Body & Cap)
The polypropylene base resin used in HDPE meets the FDA (Food and Drug Administration) requirements contained in the Code of Federal Regulations – latest revision (1/4-2011) - in 21 CFR 177.1520 (a) (3) (i) , (b) and (c) (3.1a).

At the same time this base resin grade meets the FDA criteria in 21 CFR 177.1520 for food contact applications, excluding cooking, listed under conditions of use C through H in 21 CFR 176.170 (c), and can be used in contact with all food types as listed in 21 CFR 176.170 (c). Also the mineral additives and the pigments used are GRAS (Generally Recognized As Safe) or are FDA cleared under specific FDA citations.

Metal Detectability
The body and cap of the Detectable Fine Tip Permanent Markers are manufactured from metal detectable high-density polyethylene. This compound contains an evenly dispersed non-toxic metal detectable additive, making the material detectable by correctly calibrated metal detection systems.

The material of this Marker is intended to be detected by metal detection systems. Detectability performance will vary based on, but not limited to the following factors:

- Detector Calibration Levels
- Product Type (E.g. Wet, Dry, Frozen, Liquid)
- Aperture Dimensions
- Contaminat Orientation

Orientation is a highly influential factor for the metal detectability of a contaminant that is non spherical, i.e. it will be easier to detect the contaminant when passing in one orientation compared to another - this is known as the orientation effect.

For this reason Detectapro recommend all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may be the case your equipment needs to be recalibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your metal detection system.

X-Ray Visibility
In contrast to metal detection, x-ray visibility is determined by material density. For this reason, XDETECT contains an additional, evenly dispersed, food safe, high density additive. Based on our experience and testing, positive readings should be consistant both for whole pens and XDETECT fragments as small as 5mm. X-ray detection performance will be reduced when small fragments are burried in deeper, denser products - detection will depend on product type and density.

We highly recommend all our products be thoroughly tested on your x-ray inspection systems by a trained and certified professional. It may be the case that your eq uipment needs to be recalibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your x-ray inspection system.

DETECTAPRO
Metal Detectable Products

866-441-5572 • www.detectapro.com • info@detectapro.com