

Metal Detectable Plastic Mallet

Part Number: MDMALLET



Product Description: Detectapro detectable plastic mallets feature a head manufactured from blue metal detectable UHMW-Pe (Ultra High Molecular Weight Polyethylene), this unique detectable plastic has a high impact strength and excellent wear resistance.

With the food industry in mind, the mallet head is designed not to fracture or splinter and is made from our strongest detectable plastic material. Use of a detectable material shows all due diligence in preventing foreign body contamination. Detectable UHMW-Pe is approved for direct food contact.

The handle of the mallet is manufactured from white non-detectable HDPE (High Density Polyethylene), which is a food safe material.

Product Advantages:

- Detectable by industry standard in-line metal detection systems
- Highly visible blue head color for easy visual identification
- UHMW-Pe head material designed not to fracture or splinter
- EU & FDA (regulations 21 CFR 177.1520 Olefin polymers, 21 CFR 178.3297 Colorants for polymers and 21 CFR 178.2010 Antioxidants and/or stabilizers for polymers) food contact approved head material
- Ambidextrous & ergonomic handle design
- Displays due diligence in the prevention of foreign body contamination
- Highly robust construction with strong food safe materials

Color: White Handle (not detectable) Blue Detectable Head

Pack Size: 1

• **DETECTAPRO** •
Metal Detectable Products

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

Size:
Specific Gravity:

Head Diameter
2 Inches

Head Length
4.5 Inches

Overall Length/Handle
12 Inches Long

Food Contact Status (Head)

The monomers used for the manufacturing of Detectapro Detectable UHMW-Pe (Ultra High Molecular Weight Polyethylene) are listed in the EU Directive 2002/72/EC and the new edition of the German "Bedarfsgegenstandeverordnung" of December 23, 1997 without restrictions.

The additives used are listed in the incomplete list of additives of the EU Directive 2002/72/EC or in the recommendations III "Polyethylene" of BfR 2/4 (Bundesinstitut für Riskobewertung). Restrictions exist for: Iron (SML = 48mg/kg) & Copper (SML = 5mg/kg).

The new Directive for the Good Manufacturing Practice 2023/2006/EC is part of the framework legislation 1935/2004/EC to ensure a high standard of production quality and documentation. Detectapro Detectable UHMW-Pe is intended to be used for food contact applications and is produced according to the requirements of the GMP directive.

Food Contact Status (Handle)

HDPE (High Density Polyethylene) is classed as suitable for use within the food industry according to EEC 90/128 and FDA regulations.

Metal Detectability

Mallet heads are manufactured using UHMW-Pe containing an evenly dispersed metal detectable additive. The detectability of this material will vary based upon the metal detection systems being used and their calibration. Detectability performance will vary based on, but not limited to the following factors:

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

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 that your equipment needs to be recalibrated in order to reliably detect this product and its fragments. Such a professional should be available by contacting the manufacturer of your metal detection system.



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