

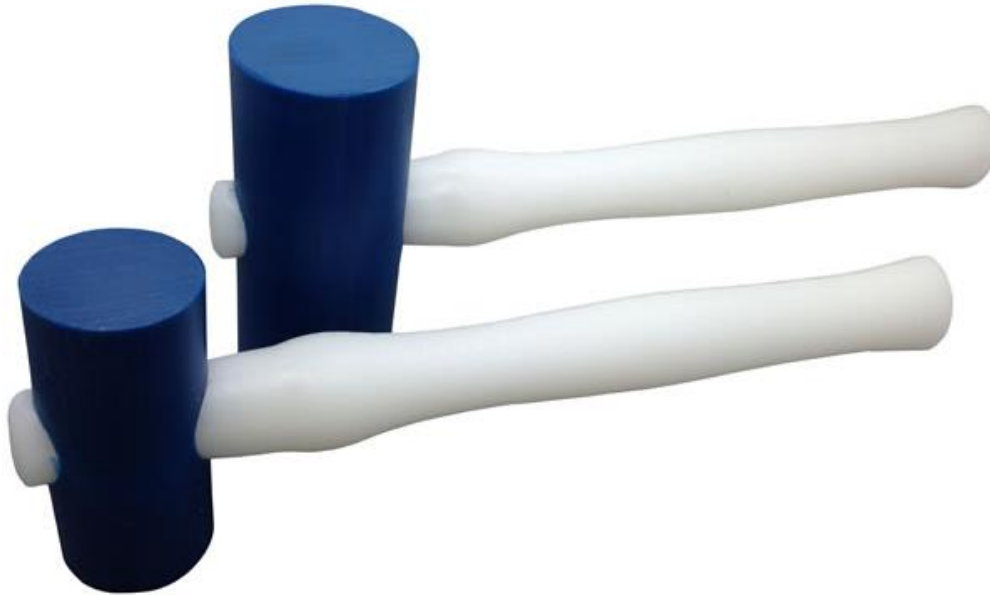
# BST PLASTIC MALLETS

AMBIDEXTROUS METAL DETECTABLE MALLETS

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## Product Specifications

PR23811TBW | Revised September 2018



**Product Name:** BST Detectable Mallets

**Product Description:** BST 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 Code:** PR23811TBW\*

**Batch Quantity:** 1

**Product Advantages:**

- ✓ Detectable by conventional metal detection systems
- ✓ Highly visible blue head colour for easy visual identification
- ✓ UHMW-Pe head material designed not to fracture or splinter
- ✓ EU & FDA 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



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<b>Size Availability:</b>	<u>Head Diameter</u>	<u>Order Code</u>	<u>Head Length</u>	<u>Handle Length</u>	<u>Overall Weight</u>
	50mm	PR23811TBW50	4.5" / 114mm	300mm	400g
	40mm	PR23811TBW40	3.5" / 88mm	300mm	250g

**Food Contact Status (Head):** The monomers used for the manufacturing of BST 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 <sup>2/4</sup> (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. BST 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 BST recommend that 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.

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### DISCLAIMER

The information provided in this product specification sheet is based on our experience and knowledge to date and we believe it to be true and reliable. This information is intended as a guide for your use of our products, the use of which is entirely at your own discretion and risk. We, BS Teasdale & Son Ltd, cannot guarantee favourable results and assume no liability in connection with the use of our products. © 2014 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.

