

BST METAL DETECTABLE TAPE

FEATURING AN ALUMINIUM CORE & PERMANENT ADHESIVE

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Product Specifications

PR6DAT* | Revised December 2018



Product Description:

BST Metal Detectable Self Adhesive Tape is an uncoated paper / foil laminate construction coated with a hot melt adhesive. The construction is a 60gsm machine glazed wood free paper laminated to a 7µ aluminium foil, which provides the metal detectability of the tape.

The adhesive is a high coat weight rubber based hot melt designed to give superior initial tack on moist, rough or difficult surfaces. The glassine liner is designed for use on automatic applicators if required.

This metal detectable tape is suitable for a variety of food processing applications such as labelling (E.g. Quality Control), securing items where regular tapes are not allowed, packaging products where regular packaging tapes represent a foreign body risk, light engineering applications and also asset management such as labelling machinery or tools. By using metal detectable tape you are displaying due diligence in the prevention of foreign body contamination.

Product Materials:

Paper, laminate, adhesive, aluminium foil, glassine liner

Product Codes:

PR6DAT50ET* (50m x 50mm) Blue, red and yellow available
PR6DAT25ET* (50m x 25mm) Blue, red and yellow available

Pack Size:

1 x 50m Roll

Product Advantages:

- ✓ Detectable by in-line metal detection systems
- ✓ 3 Bright colours to choose from for easy visual identification
- ✓ Strong and long lasting permanent adhesive with high initial tack
- ✓ Can be used as part of HACCP and BRC procedures
- ✓ Displays due diligence in the prevention of foreign body contamination
- ✓ Easy peel perforated glassine backing



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Roll Length: 50 Metres

Roll Width: Large Rolls 50mm | Small Rolls 25mm

Temperature Range: -20°C to 50°C

Product Material(s): Manufactured using multiple materials including, but not limited to, papers, laminate, adhesives and aluminium foil.

Paper-foil: 60gsm white machine glazed wood-free paper laminated to a 7-micron aluminium foil.

Material Properties: Substance: 89gsm +/-8%
Calliper: 75 microns +/-8%

Glassine liner: 60gsm honey glassine liner suitable for use where there is automatic label registration or dispensing.

Material Properties: Substance: 60gsm +/-8%
Calliper: 54 microns +/-8%

Adhesive: A rubber-resin hot melt high tack permanent adhesive designed to give high tack and adhesion to both polar and non-polar substrates.

Performance: Minimum Adhesive Service Temperature: -20°C
Maximum Adhesive Service Temperature: +50°C
Initial Tack: Excellent
Suitability for ambient temperatures: Excellent
Suitability for chilled areas: Excellent

Standards Compliance: Both the tape material and the self adhesive backing conform to the BFR XIV regulations for direct food contact with dry and moist non-fatty foodstuffs.

Tape	ISEGA Certificate No 21480 U 05
Adhesive	ISEGA Certificate No 27551 U 09



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Paper-foil: The following face materials complies with the rules of regulation (EC) No 1935/2004 of the European Parliament and of the council of 27 October 2004 on materials and articles intended to come into contact with food.

Adhesive: The following adhesive complies with the rules of regulation (EC) No 1935/2004 of the European Parliament and of the council of 27 October 2004 on materials and articles intended to come into contact with food.

Detectability:

BST metal detectable self-adhesive tape contains a 7µ aluminium layer to provide metal detectability. As such, your inspection systems should be capable of detecting aluminium contaminants. This tape is not considered to be compatible when used in conjunction with aluminium trays / other aluminium food packaging.

A 10 x 10mm piece of BST metal detectable tape gave the following test piece equivalent readings when tested within a wet food product, through the geometric centre of a Ceia MS21 coaxial metal detection system with a 350 x 17 mm aperture.

<u>Reading Type</u>	<u>Test Piece Equivalent</u>	<u>Recommended Detector Sensitivity</u>
FERROUS	1.5 mm	1.2 mm
NON FERROUS	3.5 mm	3.0 mm
STAINLESS STEEL	3.5 mm	3.0 mm

The above tests were repeated three times in order to gain accurate readings, please bear in mind however that the above guidance does not take into account all product(s) type. The following factors can have considerable effects on detectability:

- Aperture dimensions
- Contaminant orientation
- Product Type (Wet / Dry / Frozen / Physical State)

BST recommend that all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may the case that your equipment may need 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.

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.



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