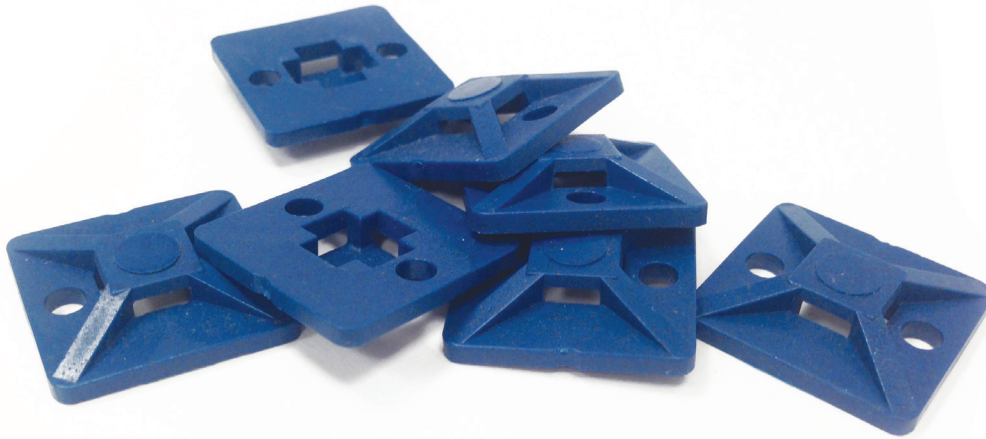


## BST Metal Detectable Cable Tie Base | CTBASE\*

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### BST Cable Tie Base

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BST metal detectable cable tie bases feature a food safe metal additive, dispersed evenly and completely throughout the entire polyamide 6.6 body of the base. These bases can be used as part of a HACCP process or BRC procedures and come in a standard colour of blue, making them visually detectable, further reducing food contamination risks. These bases and their accompanying cable ties

have been specifically manufactured for the food and pharmaceutical processing industries, using only food contact approved materials. Even small pieces of these bases can be detected by correctly calibrated and tested in line metal detection systems. BST metal detectable cable ties are ideally suited for the installation of cabling in and around production areas.

### BST Cable Tie Base Advantages

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- ✓ Detectable by in-line metal detection systems
- ✓ Bright blue colour for easy visual identification
- ✓ Food contact approved material
- ✓ Can be used as part of HACCP and BRC procedures
- ✓ Displays due diligence in the prevention of foreign body contamination

## Product and Packaging Information

<b>Product Code</b>	CTBASE1	<b>Dimensions</b>	19 x 19mm	<b>Uses</b>	Cable ties upto 3.5mm wide
<b>Product Code</b>	CTBASE2	<b>Dimensions</b>	28 x 28mm	<b>Uses</b>	Cable ties upto 5.0mm wide
<b>Colour</b>	Blue	<b>Flammability</b>	UL94HB		
<b>Temperature Range</b>	- 40 + 85 °C	<b>Detectability</b>	Metal Detectable		
<b>Pack Size</b>	100	<b>Material</b>	Polyamide 6.6		
<b>Pack Weight</b>	0.10kg - 0.20kg	<b>Commodity Code</b>	39269097		

## Safety Certificates / Approvals

FDA Approved	BRCGS Compliant	ISO 9001:2015
EU Compliant	Made In Britain	



## Food Contact Status (EU)

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i. These products made of metal detectable nylon (PA66) compounds are intended for use in the proximity of food processing, handling and packaging operations. In addition, these products are used for cable management on food processing and packaging equipment, and inside electrical control panels found in food processing and packaging environments.

ii. Subject to the provisions of clause III below, whilst these products are not intended to come into direct contact with food, we declare that these products may be used as food contact articles according to:

Regulation (EC) No 1935/2004

These products follow good manufacturing principles (gmp) according to Regulation (EC) No 2023/2006

Regulation (EC) No 10/2011 (as amended by Regulation (EU) No 2015/174):

The monomers as well as the other starting substances, additives and polymer production aids in the manufacture of these products are listed in annex I (Union list) with the following specific restrictions:

- 1,6-hexamethylene-bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide): SML = 45 mg/kg
- Zinc oxide: SML = 25 mg/kg expressed as zinc
- Acrylic acid, n-butyl ester: SML(T) = 6 mg/kg expressed as acrylic acid
- Methacrylic acid: SML(T) = 6 mg/kg expressed
- Copper: SML = 5 mg/kg

The meanings of the used abbreviations are:

SML = specific migration limit in food or in food stimulant

The general specific migration limit of 60 mg/kg according to Regulation (EU) No 10/2011, article 11 (2) and the overall migration limit of 10 mg/dm<sup>2</sup> according to article 12 (1) have to be observed.

This material contains dual-use additives, which are not subject to a restriction.

The pigments used for colouration comply with the requirements of the European Resolution AP (89) 1 or the German Recommendation IX of BfR (Federal Institute for Risk Assessment).

This statement of compliance applies to Products supplied in original form without subsequent modification. Since conditions of use/application of Products are outside our control, we give no guarantees, warranties (express or implied) and assumes no liability whatsoever for any loss, damage or expense arising from or in connection with the use of this information.

The suitability of the products for application concerned, including their effect on the smell and taste of the contents and the observance of the given limitations (for example overall migration, specific limits and other analytical requirements) must be checked in each case by the user.

## Food Contact Status (FDA)

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i. These products made of metal detectable polyolefin and nylon compounds are intended for use in the proximity of food processing, handling and packaging operations. In addition, these products are used for cable management on food processing and packaging equipment, and inside electrical control panels found in food processing and packaging environments.

ii. Subject to the provisions of clause III below, we declare that upon manufacture these products comply with the following composition, additives and properties standards required by the United States Food & Drug Administration ("FDA") as specified under Title 21 of The Code of Federal Regulations (Ch1 Edition 4-1-99, the "CFR") and may be used in indirect food contact applications:

Section 184 CFR – Direct Food Substances Affirmed as Generally Recognised as Safe (GRAS)  
 Subsection 177.1500 CFR – Indirect Food Additives – Nylon Resins  
 Subsection 177.1520 CFR – Indirect Food Additives – Olefin Polymers  
 Subsection 177.1350 CFR – Indirect Food Additives – Ethylene vinyl acetate copolymers  
 Subsection 178.3297 CFR – Indirect Food Additives – Colorants for Polymers  
 Subsection 178.2010 CFR – Indirect Food Additives – Antioxidants and/or stabilisers for polymers  
 Subsection 170.39 CFR – Threshold of Regulation for Substances Used in Food Contact Articles

The following restrictions have to be observed for Polypropylene products:

The product may only be used according to conditions of use C-H of FDA 21 CFR 176.170(c) table 2

The following restriction has to be observed for PA66 products:

The product may only not be used in contact with alcoholic beverages (Food Types VI-A and VI-C according to 21 CFR 176.170(c) table 1).

iii. This statement of compliance applies to Products supplied in original form without subsequent modification. Since conditions of use/application of Products are outside our control, we give no guarantees, warranties (express or implied) and assume no liability whatsoever for any loss, damage or expense arising from or in connection with the use of this information.

## Product Material Information

Polyamide 6.6 with food safe metal additive (PA66MP)

Properties	Typical Results	Test Methods
Colour	Blue	-
Tensile Strength	65 MPa	ISO 527
Elongation at break	18%	ISO 527
Tensile Modulus	2600MPa	ISO 527
Flammability	HB	UL94
Resistance to UV Oils & greases Solvents Petrol	Limited Very good Good Very good	
Heat deflection temperature @ 1.8MPa	70 °C	ISO 75/f
Density	1.2 g/cm <sup>3</sup>	ISO 1183

## Metal Detectability

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BST metal detectable cable tie bases contain an evenly dispersed metal additive. Subject to correct calibration of metal detection / x-ray inspection systems, this product should be fully metal detectable and x-ray visible. Detectability performance will vary based on, but not limited to the following factors:

- Calibration Levels
- Product Type (E.g. Wet, Dry, Frozen, Liquid)
- Aperture Dimensions
- 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 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 re-calibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your metal detection system.

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. © 2023 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.