



BST Stainless Steel Flexi Palm Scraper | SC16SF5D*



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The BST stainless steel flexible palm scrapers feature TPE detectable handles and 301 grade stainless steel blades. TPE is a polyurethane based thermoplastic polymer compound, that is electromagnetically detectable. The native properties of this polyurethane mean that the compound is strong, flexible and offers

good resistance to many chemical solvents, acids and bases, when compared to other plastics.

The food safe stainless steel blade will not rust and can also be detected by metal detection systems. This scraper is suitable for a variety of food contact applications, particularly in the baking industry.

BST Stainless Steel Flexi Palm Scraper Advantages

- ✓ Detectable by in-line metal detection systems & x-ray inspection systems
- ✓ Three bright colours to choose from for easy visual identification
- ✓ Incorporates antibacterial technology to protect against pathogenic germs and moulds
- ✓ Can be used in a variety of food contact applications
- ✓ Strong, durable, shatter resistant & chemically resistant material
- ✓ Compliant with EU & FDA food contact legislation
- ✓ Can be used as part of HACCP and BRC procedures
- ✓ Displays due diligence in the prevention of foreign body contamination

Product and Packaging Information

Product Code	SC16SF6D*	Detectability	Metal & X-Ray Visible
Pack Size	10	AntiBacterial	Yes
Pack Weight	0.48kg	Handle Material	TPE
Colour	B,R,G	Blade Material	301 Stainless Steel
Dimensions	120 x 100mm	Commodity Code	73239300

Safety Certificates / Approvals

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



Animal Derivatives

To the best of our knowledge there are no ingredients in the formulation of this material that is of animal origin. As such, this material should not pass on any animal derived disease like BSE (Bovine Spongiform Encephalopathy) or other TSE (Transmissible Spongiform Encephalopathy).

Food Contact Status (EU)

Hereby we declare that the material TPE in various colours is manufactured in line with the relevant requirements of 2023/2006/EC as amended by Commission Regulation (EC) 282/2008, 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 (TPE in various colours) 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 as amended by (EU) 321/2011, (EU) 1282/2011, (EU) 1183/2012, (EU) 202/2014, (EU) 2015/174, (EU) 2016/1416, (EU) 2017/752, (EU) 2018/79, (EU) 2018/213, (EU) 2018/831, (EU) 2019/37, (EU)2019/1338, and (EU) 2020/1245 respectively, related to Plastic Materials and Articles intended to come into contact with foodstuffs.

Colourants used are compliant with European Council Resolution AP(89)1 on the use of colourants in plastic materials coming into contact with food, and also with German BfR Recommendations (IX).

Food Contact Status (FDA)

The polypropylene (PP) base resin used meets the FDA (Food and Drug Administration) requirements contained in the Code of Federal Regulations in 21 CFR 177.1520 (a) (1) (i) , (b) Olefin Polymers.

The styrene block copolymer (SEBS) used complies with the FDA, Title 21CFR 177.1810 (3).

The paraffinic white oil-based plasticizer used complies with FDA, Title 21CFR 172.878, Title 21CFR 178.3620 (a) and Title 21CFR 178.3740.

Also the mineral additives and the pigments used are GRAS (Generally Recognized As Safe) or are FDA cleared under specific FDA citations.

Antibacterial Technology

BST palm scraper handles are manufactured from TPE with built in silver ion antimicrobial technology, supplied by our partners SteriTouch. This technology offers continuous protection against cross infection, reducing the risk of spreading pathogenic germs such as MRSA, E.Coli and Salmonella. The antibacterial surface protection harnesses the natural sterilising properties of silver; this protection is permanently embedded into the TPE compound and will not wear off over time.

These antibacterial properties have been laboratory tested and proven to be effective against harmful bacteria and mould including but not limited to:

Bacterium

Bacillus Cereus
Bacillus Subtilis
Campylobacter
Klebsiella Pneumonia
Pseudomonas Aeruginosa
Streptococcus Mutans
Streptococcus Pyogenes
Vibri Parahaemolyticus
MRSA
E.Coli
Salmonella

Fungus

Aspergillus Niger
Aureobasidium Pullulans
Candida Albicans
Cladosporium Cladosporioides
Fusarium Solani
Penicillium Funiculosum

The antibacterial additive used in TPE complies with the relevant requirements of Regulation 1935/2004/EC (Framework Regulation), applicable to intermediate materials (e.g. plastic powders, plastic granules or plastic flakes) and also with the relevant requirements of Regulation 10/2011/EC (PIM), applicable to intermediate materials (e.g. plastic powders, plastic granules or plastic flakes).

The monomers and additives used to produce the antibacterial additive are listed in the Union List of Authorized Substances of Regulation 10/2011/EC. Dual use additives subject to restrictions in food as defined in Regulation 10/2011/EC are not intentionally used in the manufacture of or formulation of this product.

Metal Detectability

BST flexi palm scrapers are made using TPE, an electromagnetically detectable and x-ray visible plastic compound. The metal detectability of this product will vary based on, but not limited to:

- 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.

X-Ray Visibility

In contrast to metal detection, x-ray visibility is determined by material density. For this reason, TPE contains an additional, evenly dispersed, food safe, high density additive. X-ray detection performance will be reduced when small fragments are buried in deeper, denser products - detection will depend on product type and density.

We highly recommend that 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 equipment 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.

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. © 2022 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law. SteriTouch® is a registered trademark of Radical Materials Ltd