

Metal Detectable Silicone Lanyard | PR1SL2*MBA



BST Silicone Lanyard

BST metal detectable and antibacterial silicone lanyards are produced from 1.0mm thick food grade silicone cord containing evenly dispersed metal detectable additives. As well as the silicone cord being detectable, the various metal parts also add to the items detectability. These lanyards also incorporate a silverbased anti-bacterial additive which is extremely effective against E-Coli, MRSA & Salmonella.

The silicone cord features an optional 6mm diameter hole at the back of the neck to act as a deliberate weak point - allowing the lanyard to break at a reasonable force to prevent trapping accidents. We highly recommend that customers carry out their own testing and risk assessments before introducing to your production environment.

BST Silicone Lanyard Advantages

- ✓ Detectable by in-line metal detection systems
- ✓ Incorporates antibacterial technology to protect against pathogenic germs and moulds
- ✓ Compliant with FDA food contact legislation
- ✓ Split ring and sprung clasp for attaching items
- ✓ Excellent durability and safety break point as standard
- ✓ Highly visible blue colour for easy visual identification
- ✓ Can be used as part of HACCP and BRC procedures
- ✓ Displays due diligence in the prevention of foreign body contamination

Product and Packaging Information

With Safety Hole	PR1SL2HMBA	Hanging Length	480mm (Approx.)
Without Safety Hole	PR1SL2MBA	Safety Hole Ø	6mm
Pack Size	1	Split Ring Ø	30mm
Pack Weight	0.05kg	Colours	Blue
Cord Length	1000mm	Detectability	Metal Detectable
Cord Width	12mm	Material	60 Shore A Silicone
Cord Thickness	1mm	Commodity Code	40082190

Safety Certificates / Approvals

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



Material Properties

Manufactured from '60 Shore A' food safe silicone rubber, with a non-hazardous metal detectable additive. Phthalates are not present in these products. The silicone cord has excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionizing radiation and weathering in general. The metal parts should offer many years of service for their intended application. The product lifespan may be reduced by constant exposure to damp / salty environments.

Property	Units	Value
Hardness (+/-5)	Shore A	60
Tensile Strength	MPa (PSI)	8.0
Elongation to failure	%	370
Tear Strength	N/mm2	21
Compression Set 24hrs @ 150°C	%	11
Compression Set 22hrs @ 300°C	%	11
Magnetic Pull	mm	7.3
Temperature Range	°C	-60°C ~ 230°C

Food Contact Status (EU)

Hereby we declare that the material grade 60 shore A Silicone is manufactured in line with the relevant requirements of 2023/2006/EC on good manufacturing practice (GMP) for materials and articles intended to come into contact with food.

In addition it is are also compliant with EU regulation EC 1935/2004.

Food Contact Status (FDA)

We hereby confirm that these lanyards are manufactured from grade 60 shore A silicone contain only listed ingredients according to FDA standard CFR 177.2600 and are fully post cured in accordance with the raw material manufacturers guidelines.

The silicone polymer, pigments and curative used in the manufacture of this lanyard are suitable for food applications, and will meet the FDA Section 21 CFR 177.2600 covering "rubber articles intended for repeated use" and/or comply with recommendation of the BfR (former BgVV) XV "Silicones".

Metal Detectability

The silicone lanyard contains an evenly dispersed metal detectable additive, making it detectable by correctly calibrated metal detection systems. Detection to particle sizes as small as 5mm is possible subject to correct calibration and the sensitivity of your metal detector. 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.

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. © 2020 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.