Product Specification Sheet

Nail Brush | MDXRNB

Resin Set Nail Brush

These 122mm nail brushes are expertly crafted with a durable polypropylene block in dark blue, paired with stiff polyester bristles in grey. All components of the brush, including the block and bristles, are metal detectable and x-ray visible, ensuring optimal safety and traceability in sensitive environments.

The brushes feature a resin set design, recognised as the world's most effective, versatile, and reliable method of filament retention. This dual retention system minimises the risk of filament loss and fills spaces created by brush tufts when they are anchored in the block in the standard way. Ideal for high-care and hygiene-sensitive environments, such as food processing, manufacturing, and pharmaceuticals, these brushes provide a robust and reliable cleaning tool that meets stringent safety standards. Whether used for hand cleaning or scrubbing equipment, they offer consistent performance and peace of mind.

Detectable (Medium) Broom Head Advantages

- ✓ Detectable by conventional metal and x-ray inspection systems
- ✓ Blue colour for easy visual identification
- ✓ Resin set bristles reduces risk of loss and contamination
- ✓ Ideal for high-care and hygiene-sensitive environments
- ✓ FDA, EU and FEIBP (European Brushware Federation) compliant
- ✓ Resistant to all approved detergents and sanitisers
- ✓ 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	MDXRNB	**AntiBacterial**	No
Pack Size	1	**Detectability**	Metal & X-Ray Visible
Pack Weight	0.0848kg	**Bristle Material**	Detectable Polyester
Colour(s)	Blue	**Body Material**	Detectable Polypropylene
Temperature Range	-18°C to +79°C	**Country Of Origin**	Britain
Dimensions	L 122 x W 44 x H 35mm	**Commodity Code**	9603298000

Safety Certificates / Approvals

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

Bristle Information

Resin-Set DRS 0.60mm Thick Polyester Bristles / 16mm Long

Chemical Resistance

Concerning chemical capability of the plastics used in this product, it is confirmed that the product resists all approved detergents and sanitisers used, according to the dosing and temperature recommendations from the detergent manufacturer.

FEIBP

These brushes comply with the European Brush Manufacturers Professional Hygiene Brush Charter, which promotes high quality professional brushware, and they comply with all existing Hygiene Regulations.

Temperature Range

This product can be stored and used indefinitely at normal room temperatures. Advised maximum and minimum temperatures are -18ºC to 79ºC, but it should be noted that prolonged exposure to extremes of temperature can affect the molecular structure of Polypropylene – extended storage at -18ºC can cause Polypropylene to become brittle.

This product can be autoclaved up to 134ºC. Tests were carried out on this product using an Eschmann SES2000 Autoclave. The temperature setting was 134ºC/275ºF for 18 minutes plus a drying cycle.

Compliance

This product complies with the requirements of the European Commission Regulation (EC) No. 1935/2004 of the European Parliament and of the Council on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC (Text with EEA relevance);

Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance), meeting the requirements. Subsequent amendments up to (EU) 2023/1627 are included.

Regulation (EC) No. 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food (GMP) as amended (Text with EEA relevance);

The NIAS (Non Intentionally Added Substances) and the identified IAS (Intentionally Added Substances) present in this product have been risk assessed in accordance with Art 19 of the Plastics Regulation (10/2011) and comply with the relevant requirements of the Framework Regulation (1935/2004).

Regulation (EC) No. 1895/2005 of November 2005 on the restriction of use of certain epoxy derivatives in materials and articles intended to come into contact with food (Text with EEA relevance);

Regulation (EC) No 450/2009 of 29 May 2009 on active and intelligent materials and articles intended to come into contact with food (Text with EEA relevance);

Commission Regulation (EU) 2023/1627 of 10 August 2023 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).
The Materials and Articles in Contact with Food (Amendment) (EU Exit) Regulations 2019 – 2019 No. 704

This product complies with FDA regulations and is manufactured using materials listed under the following Code of Federal Regulations Title 21:

☑ 21 CRF 177.1520 - Olefins Polymers intended for single or repeated use with food contact surfaces

☑ 21 CRF 176.170 - Components of paper and paperboard in contact with aqueous and fatty foods

☑ 21 CRF 177.1660 - Polymers intended for single or repeated use with food contact surfaces

☑ 21 CRF 177.1500 - Nylon Resins intended for single or repeated use with food contact surfaces

☑ 21 CFR 178.3297 – Colour Masterbatch in Polymers intended for single or repeated use with food contact surfaces

Detectability

The detectability of these products have been independently tested using calibrated machinery and is not effected by time, moisture, cleaning or abrasion. BST recommend that all our products be thoroughly tested on your detection systems by trained and certified professionals. It may be the case that your equipment needs to be recalibrated in order to reliably detect this product. Such professionals should be available by contacting the manufacturer of your detection system. 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 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.