



Cleanroom Swab

MS Series TDS

TECHNICAL DATA SHEET

Mircofiber Polyester Swab

Features & Benefits

- Double layer of microfiber polyester knit fabric for enhanced absorbency and quick wicking performance
- Offers increased lifting and capturing of particles as small as microbes
- Excellent chemical resistance for compatibility with a variety of solutions
- Compatible with quaternary ammonium chloride cleaners and disinfectants
- Streak-free cleaning
- Cleanroom laundered, providing ultra low levels of particles, non volatile residues(NVRs) and ions
- Readily absorbs solvents and solutions and grabs particulates
- 100% virgin polypropylene handle ensures no additional contaminants are introduced while offering excellent chemical resistance
- Autoclavable for use in sterile environments and processes

Applications

- Applying and removing lubricants, adhesives and other solutions in a critical clean environment
- Precision spot cleaning of grooves, tracks, slots and other small spaces
- Removal of excess materials, debris
- Scrubbing recessed areas
- Cleaning intersecting surfaces and joints
- Cleaning with compatible solutions and solvents such as IPA
- Picking up fine powders
- Appropriate for use with temperatures less than 410°F

Industries

- Hard Disk Drive
- Medical Device
- Thermal Printer
- Microelectronics
- Optics
- Pharmaceuticals
- Semiconductor



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Physical Characteristics

Part Number	Head Material	Head Width	Head Thickness	Head Length	Handle Material	Handle Width	Handle Thickness	Handle Length	Total Length
MS707	Microfiber Double Layer Polyester	15mm (0.591")	8.8mm (0.346")	25mm (0.984")	Polypropylene	6.6mm (0.260")	2.8mm (0.110")	105mm (4.134")	130mm (5.118")
MS713	Microfiber Double Layer Polyester	14mm (0.551")	3.6mm (0.142")	24mm (0.945")	Polypropylene	6mm (0.236")	2.6mm (0.102")	98mm (3.858")	122mm (4.803")
MS714	Microfiber Double Layer Polyester	14mm (0.551")	3.6mm (0.142")	24mm (0.945")	Polypropylene	5mm (0.197")	2.6mm (0.102")	104mm (4.094")	128mm (5.039")
MS761	Microfiber Double Layer Polyester	7mm (0.276")	2.8mm (0.110")	15.8mm (0.622")	Polypropylene	3.2mm (0.126")	3.2mm (0.126")	148mm (5.827")	163.8mm (6.449")
MS766	Microfiber Double Layer Polyester	7mm (0.276")	2.8mm (0.110")	15.8mm (0.622")	Polypropylene	3.2mm (0.126")	3.2mm (0.126")	76mm (2.992")	91.8mm (3.614")
MS758	Microfiber Double Layer Polyester	3.5mm (0.138")	2.2mm (0.087")	10mm (0.394")	Polypropylene	2.2mm (0.087")	2.2mm (0.087")	60mm (2.362")	70mm (2.756")
MS759	Microfiber Double Layer Polyester	2.4mm (0.094")	1.4mm (0.055)	10mm (0.394")	Polypropylene	2.2mm (0.087")	2.2mm (0.087")	60mm (2.362")	70mm (2.756")



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Contamination Characteristics

Property	Measurement	Test Method*
Nonvolatile Residue(NVR)		
IPA Extractant	0.02 mg/swab	TM10: Procedure for Determining the Nonvolatile Residue (NVR) Extractable from Swabs in a Given Solvent
Ions		
Chloride	0.01 µg/swab	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA)
Sulfate	<0.01 µg/swab	
Nitrate	<0.01 µg/swab	
Phosphate	<0.01 µg/swab	
Fluoride	<0.01 µg/swab	
Potassium	0.01 µg/swab	
Calcium	<0.01 µg/swab	
Sodium	0.01 µg/swab	
Magnesium	0.01 µg/swab	

*: Test procedures available upon request.

ESD Characteristics

Handle Resistivity $10^8 - 10^9$ Ohms/Sq (Optional)

Products

Part Number	Description	Packaging
MS707	Large Rectangular Head Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case
MS713	Microfiber Polyester Sampling Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case
MS714	Microfiber Polyester Sampling Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case
MS761	Microfiber Polyester Swab with Long Handle	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 30 Bags/Case
MS766	Microfiber Swab with Compact Handle	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 30 Bags/Case
MS758	Microfiber Polyester Swab	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 100 Bags/Case
MS759	Microfiber Polyester Swab	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 100 Bags/Case