



Cleanroom Swab

FS Series TDS

TECHNICAL DATA SHEET

Close Cell Polyurethane Foam Swab

Features & Benefits

- Thermally sealed polyurethane foam head over rigid paddle
- Close cell PU Foam are used
- Good chemical compatibility with a variety of solutions
- Soft and non-abrasive
- Excellent strength
- Low particle and fiber generation
- Readily absorbs solvents and solutions and grabs particulates
- 100% virgin polypropylene handle ensures no additional contaminants are introduced while offering excellent chemical resistance
- Autoclavable in dry heat and steam

Applications

- Applying and removing lubricants, adhesives and other solutions in a critical clean environment
- Scrubbing recessed areas
- Removal of excess materials, debris
- 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 350°F

Industries

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



Cleanroom Swab

FS Series TDS

TECHNICAL DATA SHEET

Physical Characteristics

Part Number	Head Material	Head Width	Head Thickness	Head Length	Handle Material	Handle Width	Handle Thickness	Handle Length	Total Length
	100 PPI Polyurethane Foam	19mm (0.748")	8.5mm (0.335")	26.7mm (1.051")	Polypropylene	6.6mm (0.260")	2.8mm (0.110")	105.5mm (4.154")	132.2mm (5.205")

FS708



	100 PPI Polyurethane Foam	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")
--	---------------------------	---------------	----------------	---------------	---------------	----------------	----------------	----------------	----------------

FS707



	100 PPI Polyurethane Foam	11mm (0.433")	7mm (0.276")	25mm (0.984")	Polypropylene	5.2mm (0.205")	2.6mm (0.102")	103mm (4.055")	128mm (5.039")
--	---------------------------	---------------	--------------	---------------	---------------	----------------	----------------	----------------	----------------

FS712



Products

Part Number	Description	Packaging
FS708	Circular Head Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case
FS707	Large Rectangular Head Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case
FS712	Rectangular Head Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case



Cleanroom Swab

FS Series TDS

TECHNICAL DATA SHEET

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	
Sulfate	<0.01 µg/swab	
Nitrate	<0.01 µg/swab	
Phosphate	<0.01 µg/swab	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA)
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)