



Cleanroom Swab

PS Series TDS

TECHNICAL DATA SHEET

Polyester Swab

Features & Benefits

- Double layer of polyester knit fabric for enhanced absorbency
- Engineered to resist snagging and abrading, preventing the release of particles and fibers
- Excellent chemical resistance for compatibility with a variety of solutions
- Cleanroom laundered, providing ultra low levels of particles, non volatile residues(NVRs) and ions
- 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
- Precision spot cleaning of grooves, tracks, slots and other small spaces
- Removal of excess materials, debris
- Cleaning intersecting surfaces and joints
- Cleaning with compatible solutions and solvents such as IPA
- 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
PS707	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")
PS714	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")
PS761	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")
PS766	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")
PS758	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")
PS743	Double Layer Polyester	4mm (0.157")	3.6mm (0.142")	12mm (0.472")	Polypropylene	3mm (0.118")	3mm (0.118")	58mm (2.283")	70mm (2.756")
PS768	Double Layer Polyester	4mm (0.157")	2.5mm (0.098")	11mm (0.433")	Polypropylene	3mm (0.118")	3mm (0.118")	78mm (3.071")	89mm (3.504")



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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	
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)

Products

Part Number	Description	Packaging
PS707	Large Rectangular Head Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case
PS714	Polyester Sampling Swab	100 Swabs/Bag; 2 Inner Bags of 50 Swabs; 50 Bags/Case
PS761	Alpha Polyester Swab with Long Handle	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 30 Bags/Case
PS766	Alpha Polyester Swab with Compact Handle	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 30 Bags/Case
PS758	Micro Polyester Swab	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 100 Bags/Case
PS743	Small Polyester Swab	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 100 Bags/Case
PS768	Bend Flexible Head Polyester Swab	500 Swabs/Bag; 5 Inner Bags of 100 Swabs; 100 Bags/Case