

# TekniSwab

## Cleanroom ESD Swabs

Teknipure's ESD Cleanroom Swabs are made in cleanroom conditions and are suitable for various environments sensitive to electrostatic discharge or with a high risk of static build-ups.

Variety of 100% polyester, microfiber, or high-grade 100 ppi foam head substrates provide a more precise selection of an ESD-safe swab suited to most specific application requirements.



### Applications:

- Precision cleaning of small areas and parts in critical cleanroom environments sensitive to electrostatic discharge
- Applying and removing lubricants, adhesives, and other solutions
- Streak-free cleaning of sensitive surfaces such as lenses, sensors and other optics
- Absorbing liquids, scrubbing, removing materials
- Picking up fine powders

### Features and Benefits:

- The swabs' handles are made from Stat-Rite®, a proprietary blend of inherently dissipative polymers based on polypropylene providing permanent electrostatic dissipative (ESD) properties without compromising cleanliness.
- No adhesives, silicone, or amides to minimize the risk of additional contamination
- Low levels of Non-Volatile Residue (NVR) and ions
- Excellent chemical compatibility with a variety of solutions
- Lot and bar-coded for traceability

### Industries:

- Semiconductor / Microelectronics
- Aerospace / Defense
- Medical Device / Optics
- Pharmaceutical / Biologics
- Laboratories / Academia
- Printing / Graphics

### Storage Conditions:

- Store at ambient conditions (59°F (15°C) - 86°F (30°C))

### Expiration date:

- 5 years from the date of manufacture



All products are packaged in silicone-free, static-shield cleanroom bags for additional protection from static build-up

Stat-Rite® handle with embossed "Teknipure" name

**Foam ESD swabs** provide great absorbency and particle-capturing capabilities. These swabs are laundered using a proprietary cleaning system for additional contamination control and to minimize non-volatile residues (NVRs), ions, and other potential contaminants.

**Polyester ESD swabs** offer durability and abrasion resistance.

**Microfiber woven ESD** swabs provide softness, durability, and enhanced particle-capturing capabilities. Ideal for streak-free cleaning of sensitive surfaces such as lenses, sensors and other optics.

ESD Swabs			
Part Number	Description	Packaging	Alternate View
TKS502E	Micro Tip Pick Dual End Swab, 2.587"(6.57 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS503E	Pointed Spiral Foam Dual End Swab, 2.618"(6.65cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS504E	Small Foam Swab, 2.803"(7.12 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS505E	Pointed Foam Swab, 3.016"(7.65 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS506E	Small Foam Swab, 2.728"(6.93 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS507E	Small Foam Swab, 3.591"(9.12 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS508E	Small Microfiber Woven Swab, 3.591"(9.12 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			

ESD Swabs			
Part Number	Description	Packaging	Profile View
TKS509E	Medium Head Foam Swab with Long Handle, 6.398" (16.25 cm) total length	100 pcs/inner bag, 1 inner bags/outer bag, 10 outer bags/case, Total 1000 swabs/case	
TKS510E	Medium Head Polyester Swab with Long Handle, 6.398" (16.25 cm) total length	100 pcs/inner bag, 1 inner bags/outer bag, 10 outer bags/case, Total 1000 swabs/case	
TKS511E	Medium Head Microfiber Woven Swab with Long Handle, 6.417" (16.30 cm) total length	100 pcs/inner bag, 1 inner bags/outer bag, 10 outer bags/case, Total 1000 swabs/case	

**Performance Characteristics**

**Nonvolatile Residue**

Extractant	Typical Value (µg/swab)
IPA	0.58
DI Water	0.20

**Physical Characteristics**

<b>Handle Material</b>	Stat-Rite® 100% Polypropylene
<b>Head Material</b>	100 ppi Polyurethane foam 100% Polyester Polyester/Nylon Woven Microfiber

**Extractable Ions**

Ion	Typical Value (µg/swab)
Sodium	0.21
Potassium	0.09
Calcium	0.16
Chloride	0.54
Magnesium	0.02
Fluoride	0.18
Nitrate	0.11
Phosphate	0.38
Sulphate	0.19