

TekniSwab

Cleanroom Microfiber Woven Swabs

Teknipure's Microfiber Woven Cleanroom Swabs are made in cleanroom conditions from an ultra-clean, double-layer woven microfiber material with a thermal bond construction. These swabs offer softness, durability, and enhanced particle-capturing capabilities and are ideal for sensitive surfaces.

Applications:

- Precision cleaning of small areas in critical cleanroom environments
- Streak-free cleaning of sensitive surfaces such as lenses, sensors and other optics
- Removal of fingerprints, oily substances, excess materials or debris
- Applying and removing lubricants, adhesives, and other solutions

Features and Benefits:

- No adhesives, silicone, or amides to minimize the risk of additional contamination
- Durable and abrasion resistant - designed to resist snagging and abrasion, preventing the release of particles and fibers during use
- Ultra-low low levels of particles, Non-Volatile Residue (NVR) and ions
- The 100% polypropylene handle prevents the introduction of additional contaminants and provides excellent chemical resistance
- Packaged in silicone-free bags
- 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



Microfiber material structure

Enhanced cleaning capabilities, capturing the smallest particles and fibers and retaining them inside the material

TECHNICAL DATA SHEET

Microfiber Woven Swabs			
Part Number	Description	Packaging	Profile View
TKS580MW	Small Swab, 2.799"(7.11 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS581MW	Small Swab, 2.795"(7.01 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS582MW	Medium Swab, 3.551"(9.02 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
Dimensions (mm)			
TKS583MW	Rectangular Head Swab, 5.000"(12.70 cm) total length	50 pcs/inner bag, 2 inner bags/outer bag, 10 outer bags/case, Total 1000 swabs/case	
Dimensions (mm)			
TKS584MW	Medium Head Swab with long handle, 6.413"(16.29 cm) total length	100 pcs/inner bag, 1 inner bags/outer bag, 10 outer bags/case, Total 1000 swabs/case	
Dimensions (mm)			

Performance Characteristics

Nonvolatile Residue	
Extractant	Typical Value (µg/swab)
IPA	0.03
DI Water	0.01

Physical Characteristics	
Handle Material	100% Polypropylene
Head Material	Woven Polyester/Nylon Microfiber

Extractable Ions	
Ion	Typical Value (µg/swab)
Sodium	0.10
Potassium	0.03
Calcium	0.07
Chloride	0.12
Magnesium	0.03
Nitrate	0.05
Phosphate	0.06
Sulphate	0.11