

TekniSwab

Cleanroom Microdenier over foam Swabs

Teknipure's Microdenier over Foam Cleanroom Swabs are made in cleanroom conditions from an ultra-clean 100% microdenier polyester knit material over a high-grade 100 ppi polyurethane foam laundered using a proprietary cleaning system to minimize non-volatile residues (NVRs), ions, and other potential contaminants.



Applications:

- Streak-free precision cleaning of sensitive surfaces in critical environments
- Capturing fine powders and particulates
- Applying and removing lubricants, adhesives, and other solutions
- Absorbing liquids
- Removal of excess materials or debris
- Cleaning intersecting surfaces and joints

Features and Benefits:

- No adhesives, silicone, or amides to minimize the risk of additional contamination
- Microdenier polyester knit fabric for enhanced softness and capturing capabilities
- Foam for extra absorbency and cushioning
- Ultra-low low levels of particles, Non-Volatile Residue (NVR) and ions
- Excellent chemical compatibility with various solutions
- Durable and abrasion resistant - designed to resist snagging and abrasion, preventing the release of particles and fibers during use
- 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:

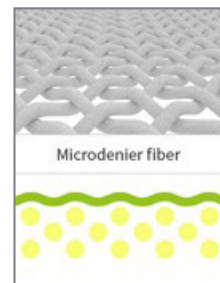
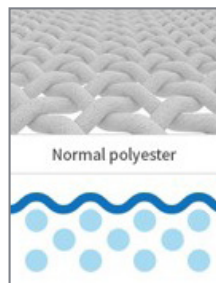
- Semiconductor / Microelectronics
- Aerospace / Defense
- Medical Device / Optics
- Pharmaceutical / Biologics
- Laboratories / Academia
- Printing / Graphics

Storage Conditions:

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

Expiration date:

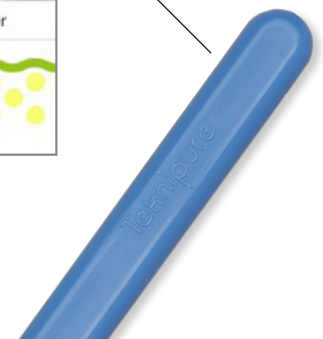
- 5 years from the date of manufacture



Teknipure blue color with "Teknipure" embossed on the handle

Microdenier material structure

Ultra-fine Microdenier fibers allow for enhanced softness and particle capturing capabilities



TECHNICAL DATA SHEET

Microdenier over Foam Swabs			
Part Number	Description	Packaging	Profile View
TKS570MDF	Small Swab, 2.713"(6.89 cm) total length	100 pcs/inner bag, 5 inner bags/outer bag, 5 outer bags/case, Total 2500 swabs/case	
TKS571MDF	Rectangular Head Swab, 4.996"(12.69 cm) total length	50 pcs/inner bag, 2 inner bags/outer bag, 10 outer bags/case, Total 1000 swabs/case	
TKS572MDF	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	

Performance Characteristics

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

Physical Characteristics	
Handle Material	100% Polypropylene
Head Material	100% Microdenier Polyester 100 ppi Polyurethane foam

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