

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:

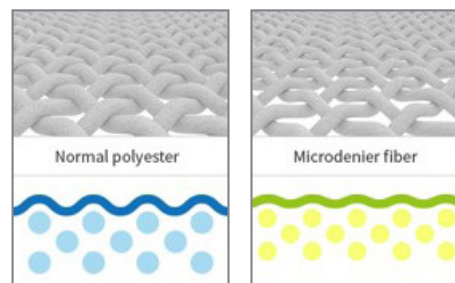
- Semiconductor / Microelectronics
- Aerospace / Defense
- Medical Device / Optics
- Pharmaceutical / Biologics
- Laboratories / Academia
- Printing / Graphics

Storage Conditions:

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

Expiration date:

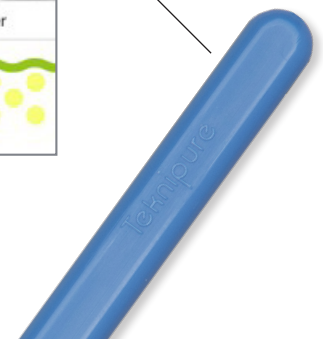
- 5 years from the date of manufacture



Teknipure blue color with "Teknipure" embossed on the handle

Microdenier material structure

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



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	
Dimensions (mm)			
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	
Dimensions (mm)			
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	
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	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