

TECHNICAL DATA SHEET



Description

AlphaMop M Series mop covers are constructed from microdenier fabric, a textile known for its ability to capture and hold contaminants. AlphaMop M Series is 100% polyester, never a blend.

Microdenier (or microfiber) fabric has increased capturing power with 4x the fibers and 8x the surface area of normal polyester materials. The small diameter of the individual filaments allows the lifting and capture of particles as small as microbes.

For cleanroom applications, we engineered this polyester microdenier cover to work with Quat-based cleaners.

Applications

- ▶ Cleanrooms
- ▶ Disinfecting with quat-based cleaners
- ▶ Pharmaceuticals
- ▶ Biologics
- ▶ Medical Device
- ▶ USP<797>

Features

- ▶ 100% polyester fiber microdenier
- ▶ Quat cleaner/disinfectant compatibility
- ▶ Increased contaminant collection
- ▶ Enhanced solution coverage

Benefits

- ▶ Maximum removal of small and micro contaminants
 - More fibers, more surface area cleaned
 - Prevents cleanroom contamination
- ▶ Prevents breakdown of quat disinfectants
- ▶ Improved coverage area for application of solutions (quats, IPA, etc.)

Products

Number	Dry Wipers	Packaging
TX7114M	Microdenier Mini AlphaMop Replacement Covers (for TX7101 and TX7104) 100% polyester	25 mop covers/bag; 6 bags/case
TX7118M	Microdenier Mini-AlphaMop Replacement Covers (for TX7108 and TX7108A) 100% polyester	25 mop covers/bag; 6 bags/case

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Performance Characteristics

Property	Typical Value	Test Method*
Absorbency		
Sorptive capacity	350 mL/m ²	1, TM20
Sorptive rate	0.3 seconds	1, TM20

Contamination Characteristics

Property	Typical Value	Test Method*
LPC		
≥ 0.5 µm	19 x 10 ⁶ particles/m ²	1, TM22
Particles and fibers		
Particles 0.5–5.0 µm	10.9 x 10 ⁶ particles/m ²	1,2, TM22
5.0–100 µm	320,000 particles/m ²	1,2, TM22
Fibers >100 µm	1,200 fibers/m ²	1,2, TM22
Nonvolatile residue		
IPA extractant	0.09 g/m ²	1, TM1
DIW extractant	0.02 g/m ²	1, TM1
Ions		
Sodium	0.4 ppm	1, TM18
Potassium	0.06 ppm	1, TM18
Chloride	0.05 ppm	1, TM18

Note: The data in this table represent typical analyses of these wipers at the time of publication. These are not specifications. ITW Texwipe continually refines both its processes and its products.

*TestMethods

- 1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC 004.3, Institute for Environmental Sciences and Technology, Rolling Meadows, IL 2004; www.iest.org.
- 2 – “Standard Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy,” E2090-00, ASTM International, West Conshohocken, PA, 2000; www.astm.org.

TM – Refers to ITW Texwipe Test Method — available upon request, contact ITW Texwipe Customer Service at www.texwipe.com for a copy.

Texwipe Regulatory Certificates

Texwipe is the only wiper company to be registered: ISO 9001 • ISO 13485 • ISO 14001 • OHSAS 18001