

Hydroentangled Polycellulose Cleanroom Wipe

The Tech-Cloth Pro Heavy Duty is a heavy-weight polycellulose wipe for spill and liquid control. Its soft texture and low particle counts aid many heavy-duty cleaning applications. Tech-Cloth's substrate technology and EDI processing extends absorbency while maintaining lower particle & fiber counts than other comparable products.

Hydroentangled cleanroom wipes of 45% polyester / 55% cellulose are both economical and clean-forward. The benefit is a strong, highly absorbent fabric for liquid removal or low lint wipedown in controlled areas. It is autoclavable for lab and bio-science use and solvent compatible for spill cleanup or disinfection within cleanroom buffer or ante areas.

Features

- 45% polyester / 55% Cellulose.
- Nonwoven Hydroentangled Polycellulose Cleanroom Wipe.
- 68 Gram Heavy Duty Spill, Solvent, and Liquid Control Wipe.
- Strong, Clean, and Absorbent (Autoclavable).
- Substrate Processed for Liquid Removal.
- Exhibits Lower Particle & Fiber Release than Cotton or Standard Fibers.
- Cleanroom Laundered Bagged and Packaged.

Applications

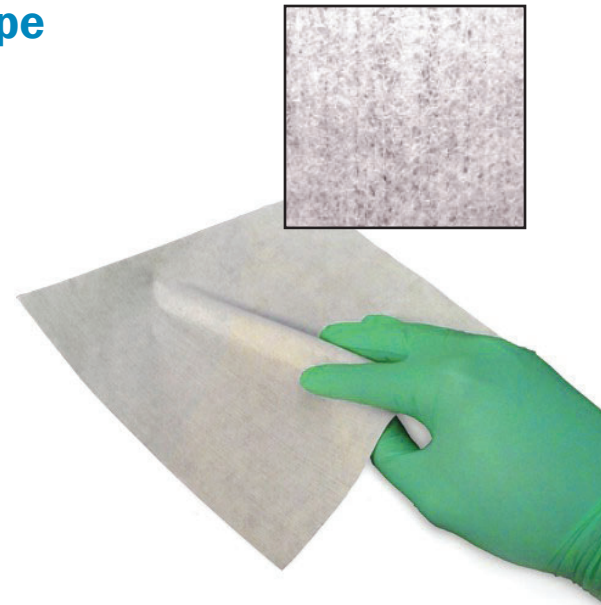
- Spill cleanup.
- Custodial Cleaning.
- Wiping and cleaning surfaces, equipment and parts.
- Removing lubricants, adhesives, residues and other solutions including disinfectants.
- Cleaning with solvents such as isopropyl alcohol (IPA), ethanol, acetone, and degreasers.
- General Cleanroom Wipedown, ISO Class 5+ (100 - 100,000 Cleanroom equipment).

Environments

- Pharmacy
- Airline & Aerospace
- Device Packaging
- Surgical Tooling Manufacturing
- Laboratories And Workstations
- Electrical Mechanical Manufacturing
- General Wiping In ISO Class 5+ Cleanroom (Fed. Class 100).
- Component Manufacturing Wiping and cleaning surfaces, equipment and parts.

Stringent CleanPro[®] Quality Testing

- EDI water systems ensure the highest cleanliness during CleanPro[®] wipe laundering. The latest in water processing technology offers semiconductor grade water with 18 mΩ of resistance.



Stringent CleanPro® Quality Testing Continued

- Oil-free air laundering with deionized water filtered to 0.1 micron yields minimal residues and ions. Manufactured with real-time monitoring alarm systems that measure and monitor water purity.
- Every batch is stringently quality control tested for NVR, ion contamination, absorbency, particle count and extractables. Testing methods include FTIR, IC and LPC.

Cleanliness	
Packaging Environment	ISO Class 5 Packaged (Fed. Class 100)
Recommended Classification	ISO Class 5+ (Fed. Class 100)
Certificates	ISO14001:2004 : ISO9001:2008

Physical Characteristics

Material & Fabric	
Material	Polycellulose
Fiber Blend	55% Cellulose & 45% Polyester
Knit Type	Hydroentangled Nonwoven

Contamination Characteristics

Performance Testing Characteristics	Description	Typical Values
Basis Weight	68 g/m ²	66 g/m ²
Absorbency		
Sorptive Rate	360 ml/m ²	320 ml/m ²
Extrinsic Capacity	420 ml/m ²	380 ml/m ²
Intrinsic Capacity	1.0 ml/second	1.0 ml/second
Contamination Thresholds		
Particles (APC: ≥0.5 µm)	< 1200 counts/ft ³	< 1200 counts/ft ³
Nonvolatile Residue (NVR)		
DI Water Extractant	≤ 0.027 g/m ²	≤ 0.027 g/m ²
IPA Extractant	≤ 0.129 g/m ²	≤ 0.129 g/m ²
Ion Content		
Chloride	≤ 70.0 ppb	
Sulphate	≤ 70.0 ppb	
Ammonium	≤ 70.0 ppb	
Total anions	≤ 130.0 ppb	

Sizes & Part Numbers

Part #	Size	Wiper / Bag	Bags / Case
CPNW-H-44	4" x 4" (10.2 cm x 10.2 cm)	4 Packs of 300 Wipes	10 Bags
CPNW-H-99	9" x 9" (22.8 cm x 22.8 cm)	300 Wipes	10 Bags