

Hydroentangled Polycellulose Cleanroom Wipes

The Tech-Cloth PRO is a hydroentangled nonwoven wipe for precision cleaning and liquid control. A high-pressure water jet melds and bonds the fibers without binders or adhesives. The result is a soft fabric that's compatible with precision cleaning of sensitive optics, yet absorbent and robust for low lint wipedown. It is autoclavable for lab and bio-science use and is solvent compatible for spill cleanup or disinfection within ISO Class 5+ cleanrooms, buffer or anterooms.

Features

- 45% polyester / 55% Cellulose
- Strong, Clean, and Absorbent
- Substrate Processed for Liquid Removal
- Autoclavable
- Standard Weight Nonwoven Hydroentangled Polycellulose Cleanroom Wipe
- 56 Gram Basis Weight for Precision Cleaning and Solvent Application
- Cleanroom Laundered Bagged and Packaged

Applications

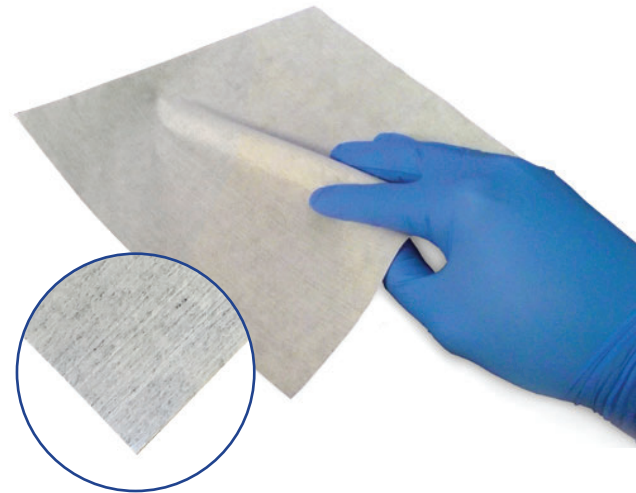
- Aseptic Processes
- Wiping and cleaning surfaces, equipment and parts.
- Cleaning with solvents such as isopropyl alcohol (IPA), ethanol, acetone, and degreasers.
- Removing Lubricants, Adhesives, & Residues
- Scratch Sensitive Surfaces
- General Cleanroom Wipedown, ISO Class 5+ (100 - 100,000 Cleanroom equipment)

Environments

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

Ordering Information

Part Number	Size	Packaging
CPNW44	4" x 4"	10 Bags of 1,200
CPNW66	6" x 6"	20 Bags of 300
CPNW99	9" x 9"	10 Bags of 300
CPNW1212	12" x 12"	10 Bags of 300





Stringent CleanPro® Quality Testing

EDI water systems ensure the highest cleanliness within CleanPro's wash cycle. The latest in water processing technology offers semiconductor grade water with 18 mΩ of resistance.

Air processing is oil-free with deionized water filtered to 0.1 micron for minimal residues and ions. Manufactured with real-time monitoring alarm systems that measure and monitor water purity, delivering consistency expected from critical grade manufacturing processes.

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

Physical Characteristics

Material	55% Cellulose & 45% Polyester
Knit Type	Hydroentangled Nonwoven

Contamination Characteristics

Performance Testing Characteristics	Description	Typical Values
Basis Weight	56 g/m ²	56 g/m ²
Absorbency		
Sorptive Rate	< 1 second	
Extrinsic Capacity	4.1 ml/g	3.8 ml/g
Intrinsic Capacity	320 ml/m ²	265 ml/m ²

Purity Specifications

Particles & Fibers	Maximum	Typical Values	Test Method
Particles/m² Particles (0.5-100µm)	70 x 10 ⁶	47 x 10 ⁵	Orbital Shake Test IEST-4.3-6.1.4
Fibers/m² Fibers (> 100µm)	0.26 x 10 ⁶	0.18 x 10 ⁶	Orbital Shake Test IEST-4.3-6.2.2
Nonvolatile Residue (NVR)			
IPA Extractant	≤ 0.0007 g/m ²	≤ 0.006 g/m ²	Short Term Extraction IEST-4.3-7.1.2
DI Water Extractant	≤ 0.06 g/m ²	≤ 0.03 g/m ²	
Extractable Ions			
Calcium (Ca+)	< 30 Ppm/ug/g	22 Ppm/ug/g	Std. Extractable IEST-4.3-7.2.2.1B
Chloride (Cl-)	< 30 Ppm/ug/g	20 Ppm/ug/g	
Potassium (K+)	< 30 Ppm/ug/g	15 Ppm/ug/g	
Magnesium (Mg2+)	< 50 Ppm/ug/g	36 Ppm/ug/g	
Sodium (Na+)	< 50 Ppm/ug/g	30 Ppm/ug/g	