

UltraSeal® 3000 12x12

Sealed Edge Cleanroom Laundered 100% Polyester Knit wip-

UltraSeal® 3000 is a high sorbency, tubular, sealed edge cleanroom laundered two-ply wiper required for ISO Class 3 and above environments composed of 100% continuous filament polyester knit fabric.

These properties provide UltraSeal® 3000 with the highest level of cleanliness, abrasion resistance and chemical compatibility required for ISO Class 3 and above environments and applications requiring

critical control of contaminants combined with superior performance. UltraSeal® 3000 provides excellent cleaning effectiveness in tough applications due to patented edge seal and pinsonic design.



Key Attributes

- 100% continuous filament polyester knit
- Two-ply pinsonic tubular construction
- Patented sealed edge process for reduced fiber contamination; Patent #5,229,181
- Laundered and packaged in Berkshire's ISO Class 4 cleanroom

Benefits

- Critically low particles, fibers, ions and extractables
- Chemically compatible with IPA, Acetone and other solvents
- High sorbency level
- Pinsonic design adds surface texture that aids in stubborn residue removal
- Patented sealed edge process combined with tubular design offers excellent abrasion resistance for the toughest cleaning applications

Environmental

- Complies with RoHS

Other Class 3 and above wipers

- MicroSeal SuperSorb®
- MicroSeal SuperSorb® Lite
- MicroSeal® 1200
- MicroSeal® VP
- ValuSeal® LP
- ValuSeal® HA
- ValuSeal® 1500

Applications

- Designed for use in ISO Class 3 and higher cleanroom environments
- Designed for the highest level of contamination control in critical processing applications
- Excellent for spill control and processing areas where sorbency is of importance
- Chamber cleaning and CMP processing
- Designed for removal of tough residues in critical applications
- Steam autoclavable for aseptic applications
- Cleaning of medical device products
- Removing cleaning and disinfecting solutions

Value Pack Option

The value pack option provides the same great performance in a more economical bulk packaging format.

Pre-Wetted Option

The same wiper material can be provided in pre-wetted formats for reduced VOC emissions, increased convenience, increased productivity, improved solvent control and cleaning protocol repeatability and reduced costs.

Sterile Validated Option

For aseptic processing areas, the same wiper material can be provided in a gamma irradiated validated sterile to a 10⁻⁶

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Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m ²	189	TAPPI T-410
Caliper		μm	552	TAPPI T-411
Fibers	≥100μm	fibers/cm ²	0.0075	IENT-RP-CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	≥0.5μm	x10 ³ /cm ²	0.55	IENT-RP-CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m ²	522	IENT-RP-CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	2.8	
	Rate	seconds	1	
Non-Volatile Residue	DI Water	g/m ²	0.0047	IENT-RP-CC004.3, Sec 7.1.2
	IPA	g/m ²	0.025	
Ions	Na ⁺	ppm	0.0049	IENT-RP-CC004.3, Sec 7.2.2
	K ⁺	ppm	0.041	
	Ca ⁺⁺	ppm	0.0086	
	Mg ⁺⁺	ppm	0.0015	
	Cl ⁻	ppm	0.023	

Notes:

- Technical data represented in this table are typical values at the time of publication. These should not be used as product specifications.
- Due to differences in test methods applied and equipment utilized by different wiper manufacturers, valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions
- Third party testing can be performed upon request

Order Information:

Product	Number	Size	Shts/pk	Pks/cs	Style
UltraSeal® 3000	US3000.1212.6	12x12" (30x30cm)	100	6	Stacked

Other Berkshire Products



Wipers



Mop Systems



Face Masks



Glove Liners



Documentation Systems



Swabs