

## UltraSeal® 3000 12x12

Sealed Edge Cleanroom Laundered 100% Polyester Knit

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
- Low endotoxin levels
- Patented sealed edge process combined with tubular design offers excellent abrasion resistance for the toughest cleaning applications

### Environmental

- Complies with RoHS 2002/05 and REACH requirements

### Other Class 3 and above wipers

- MicroSeal SuperSorb®
- 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<sup>-6</sup> sterility assurance level. Dry and pre-wetted versions available.

[www.berkshire.com](http://www.berkshire.com)

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## Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m <sup>2</sup>	181	TAPPI T-410
Caliper		µm	534	TAPPI T-411
Fibers	≥100µm	fibers/cm <sup>2</sup>	0.010	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	≥0.5µm	x10 <sup>9</sup> /cm <sup>2</sup>	0.82	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m <sup>2</sup>	525	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	2.9	
	Rate	seconds	1	
Non-Volatile Residue	DI Water	g/m <sup>2</sup>	0.012	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m <sup>2</sup>	0.035	
Ions	Na <sup>+</sup>	ppm	0.0050	IEST-RP.CC004.3, Sec 7.2.2
	K <sup>+</sup>	ppm	0.0063	
	Ca <sup>++</sup>	ppm	0.015	
	Mg <sup>++</sup>	ppm	0.0015	
	Cl <sup>-</sup>	ppm	0.0098	

### Notes:

- All values are statistical averages
- 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

For more information on our other contamination control products or technical consultation, please contact your Berkshire Sales Representative or e-mail: [info@berkshire.com](mailto:info@berkshire.com)

## Other Berkshire products

For information on our other products, please click on the relevant text.



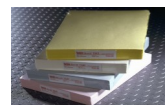
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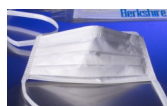
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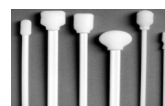
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