

MicroSeal SuperSorb®

Sealed Edge Cleanroom Laundered 100% Polyester Knit wiper

MicroSeal SuperSorb® is a high sorbency ultrasonically 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 MicroSeal SuperSorb® 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. MicroSeal Supersorb® provides the highest level of sorbency available in a two-ply polyester knit.



Key Attributes

- 100% continuous filament polyester knit
- Two-ply pinsonic construction with unique knit structure and pattern
- Ultrasonically sealed edge for reduced fiber contamination
- Laundered and packaged in Berkshire's ISO Class 4 cleanroom

Benefits

- Critically low particles, fibers, ions and extractables
- High abrasion resistance
- Chemically compatible with IPA, Acetone and other solvents
- Highest sorbency level available in a polyester knit reduces wiper usage
- Pinsonic design adds surface texture that aids in stubborn residue removal
- Low endotoxin levels
- Low cost in use compared to other two-ply polyester knits

Environmental

- Complies with RoHS and REACH requirements

Other Class 3 and above wipers

- UltraSeal® 3000
- MicroSeal® 1200
- MicroSeal SuperSorb® Lite
- 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 the greatest importance
- Chamber cleaning and CMP processing
- Stencil and other print roll cleaning applications
- Steam autoclavable for aseptic applications
- Cleaning of medical device products

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	267	TAPPI T-410
Caliper		µm	765	TAPPI T-411
Fibers	≥100µm	fibers/cm ²	0.14	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	≥0.5µm	x10 ³ /cm ²	0.49	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m ²	1034	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	3.9	
	Rate	seconds	1	
Non-Volatile Residue	DI Water	g/m ²	0.0092	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m ²	0.017	
Ions	Na ⁺	ppm	0.31	IEST-RP.CC004.3, Sec 7.2.2
	K ⁺	ppm	0.023	
	Ca ⁺⁺	ppm	0.059	
	Mg ⁺⁺	ppm	0.010	
	Cl ⁻	ppm	0.27	

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
MicroSeal SuperSorb®	MSSS.0909..8	9x9" (23x23cm)	100	8	Stacked
MicroSeal SuperSorb®	MSSS.1212.12	12x12" (30x30cm)	50	12	Stacked

Other Berkshire Products



Wipers



Glove Liners



Mop Systems



Documentation Systems



Face Masks



Swabs