

## MicroSeal® – VP

### Sealed Edge Cleanroom Laundered 100% Polyester Knit Wiper

MicroSeal®–VP is an ultrasonically sealed edge cleanroom laundered wiper required for ISO Class 3 and above environments composed of 100% continuous filament polyester knit fabric.

This combination of properties provides MicroSeal®–VP 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.



#### Key Attributes

- 100% continuous filament polyester knit
- 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
- High absorbency
- Light weight, high absorbency material design reduces actual cost in use compared to heavier weight products

#### Environmental

- Light weight, high absorbency design reduces landfill waste impact when compared to more traditional heavier weight designs

#### Applications

- Designed for use in ISO Class 3 and higher cleanroom environments
- Designed for the highest level of contamination control in critical processing applications
- Oxidation, Metallization, CVD or Photolithography processes
- Chamber cleaning and CMP processing
- Stencil and other print roll cleaning applications
- Steam autoclavable for aseptic applications
- Cleaning of medical device products
- Applying and removing cleaning and disinfecting solutions

#### Other Class 3 and above wipers

- MicroSeal SuperSorb®
- MicroSeal SuperSorb® Lite
- UltraSeal® 3000
- MicroSeal® 1200
- ValuSeal® LP
- ValuSeal® HA
- ValuSeal® 1500

#### 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>

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

Contact: Tel 44 (0) 870 757 2877  
enquiries@berkshire.uk.com

Americas	Tel 1 413 528 2602	Fax 1 413 528 2614	info@berkshire.com
Europe	Tel 44 (0) 870 757 2877	Fax 44 (0) 870 757 2878	enquiries@berkshire.uk.com
SE Asia	Tel 65 6252 4313	Fax 65 6252 4312	enquiries@berkshire.com.sg
Japan	Tel 81 3 5827 2380	Fax 81 3 5827 2382	master@berkshire.co.jp

## Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m <sup>2</sup>	130	TAPPI T-410
Caliper		µm	442	TAPPI T-411
Fibers	>100µm	fibers/cm <sup>2</sup>	0.12	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	>0.5µm	x10 <sup>3</sup> /cm <sup>2</sup>	0.31	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m <sup>2</sup>	448	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modi-
	Efficiency	mL/q	3.8	
	Rate	seconds	1	
Non-Volatile Residue	DI Water	g/m <sup>2</sup>	0.0019	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m <sup>2</sup>	0.0054	
Ions	Na <sup>+</sup>	ppm	0.17	IEST-RP.CC004.3, Sec 7.2.2
	K <sup>+</sup>	ppm	0.024	
	Ca <sup>++</sup>	ppm	0.053	
	Mg <sup>++</sup>	ppm	0.011	
	Cl <sup>-</sup>	ppm	0.032	

### 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 <sup>®</sup> -VP	MSVP.0909.8	9x9" (23x23cm)	150	8	Stacked
MicroSeal <sup>®</sup> -VP	MSVP.0909B.8	9x9" (23x23cm)	150	8	Value Pack
MicroSeal <sup>®</sup> -VP	MSVP.1212.14	12x12" (30x30cm)	75	14	Stacked
MicroSeal <sup>®</sup> -VP	MSVP.1212B.14	12x12" (30x30cm)	75	14	Value Pack

## Other Berkshire products



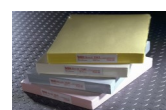
Wipers



Glove Liners



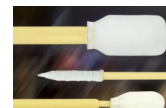
Mop Systems



Documentation Systems



Face Masks



Swabs