

## 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>

## Technical Data:

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

### 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®-VP	MSVP.0708B.8	7x8" (18x20cm)	300	8	Value Pack
MicroSeal®-VP	MSVP.0909.8	9x9" (23x23cm)	150	8	Stacked
MicroSeal®-VP	MSVP.0909B.8	9x9" (23x23cm)	150	8	Value Pack
MicroSeal®-VP	MSVP.1212.14	12x12" (30x30cm)	75	14	Stacked
MicroSeal®-VP	MSVP.1212B.14	12x12" (30x30cm)	75	14	Value Pack

## Other Berkshire Products



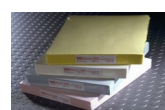
Wipers



Glove Liners



Mop Systems



Documentation Systems



Face Masks



Swabs