

## ValuSeal – HA<sup>®</sup>

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

ValuSeal – HA<sup>®</sup> 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 ValuSeal – HA<sup>®</sup> 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
- Low endotoxin levels
- 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
- Complies with RoHS and REACH requirements

#### Other ISO Class 3 and above wipers

- MicroSeal SuperSorb<sup>®</sup>
- UltraSeal<sup>®</sup> 3000
- MicroSeal<sup>®</sup> 1200
- MicroSeal<sup>®</sup> VP
- ValuSeal<sup>®</sup> LP
- ValuSeal<sup>®</sup> 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
- 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

#### 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)

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| Europe  | Tel 44 (0) 870 757 2877 | Fax 44 (0) 870 757 2878 | <a href="mailto:enquiries@berkshire.uk.com">enquiries@berkshire.uk.com</a> |
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## Technical Data:

| Attribute            |                  | Units                             | Value  | Test Method  |
|----------------------|------------------|-----------------------------------|--------|--|
| Basis Weight         |                  | g/m <sup>2</sup>                  | 136    | TAPPI T-410  |
| Caliper              |                  | µm                                | 435    | TAPPI T-411  |
| Fibers               | ≥100µm           | fibers/cm <sup>2</sup>            | 0.080  | TEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2               |
| Particles            | ≥0.5µm           | x10 <sup>3</sup> /cm <sup>2</sup> | 0.31   | TEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1               |
| Sorbency             | Capacity         | mL/m <sup>2</sup>                 | 567    | TEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified |
|                      | Efficiency       | mL/g                              | 4.2    |  |
|                      | Rate             | seconds                           | 1      |  |
| Non-Volatile Residue | DI Water         | g/m <sup>2</sup>                  | 0.0042 | TEST-RP.CC004.3, Sec 7.1.2                           |
|                      | IPA              | g/m <sup>2</sup>                  | 0.0092 |  |
| Ions                 | Na <sup>+</sup>  | ppm                               | 0.41   | TEST-RP.CC004.3, Sec 7.2.2                           |
|                      | K <sup>+</sup>   | ppm                               | 0.048  |  |
|                      | Ca <sup>++</sup> | ppm                               | 0.035  |  |
|                      | Mg <sup>++</sup> | ppm                               | 0.0085 |  |
|                      | Cl <sup>-</sup>  | ppm                               | 0.21   |  |

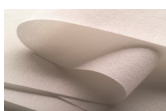
### Notes:

- 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      |
|--------------|---------------|------------------|---------|--------|------------|
| ValuSeal-HA® | VSHA.0909.8   | 9x9" (23x23cm)   | 150     | 8      | Stacked    |
| ValuSeal-HA® | VSHA.0909B.8  | 9x9" (23x23cm)   | 150     | 8      | Value Pack |
| ValuSeal-HA® | VSHA.1212.14  | 12x12" (30x30cm) | 75      | 14     | Stacked    |
| ValuSeal-HA® | VSHA.1212B.14 | 12x12" (30x30cm) | 75      | 14     | Value Pack |

## Other Berkshire products



Wipers



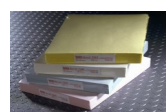
Mop Systems



Face Masks



Glove Liners



Documentation Systems



Swabs