

## MicroSeal® 1200

### Sealed Edge Cleanroom Laundered 100% Polyester Knit

MicroSeal® 1200 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® 1200 with the high 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
- Weight and caliper provide an excellent hand for cleaning rough surfaces

#### Environmental

- Complies with RoHS 2002/05 and REACH requirements

#### 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®
- UltraSeal® 3000
- MicroSeal® VP
- 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> 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>                  | 154    | TAPPI T-410  |
| Caliper              |                  | µm                                | 507    | TAPPI T-411  |
| Fibers               | ≥100µm           | fibers/cm <sup>2</sup>            | 0.036  | IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2               |
| Particles            | ≥0.5µm           | x10 <sup>9</sup> /cm <sup>2</sup> | 0.40   | IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1               |
| Sorbency             | Capacity         | mL/m <sup>2</sup>                 | 512    | IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified |
|                      | Efficiency       | mL/g                              | 3.3    |  |
|                      | Rate             | seconds                           | 1      |  |
| Non-Volatile Residue | DI Water         | g/m <sup>2</sup>                  | 0.0045 | IEST-RP.CC004.3, Sec 7.1.2                           |
|                      | IPA              | g/m <sup>2</sup>                  | 0.0082 |  |
| Ions                 | Na <sup>+</sup>  | ppm                               | 0.17   | IEST-RP.CC004.3, Sec 7.2.2                           |
|                      | K <sup>+</sup>   | ppm                               | 0.010  |  |
|                      | Ca <sup>++</sup> | ppm                               | 0.046  |  |
|                      | Mg <sup>++</sup> | ppm                               | 0.011  |  |
|                      | Cl <sup>-</sup>  | ppm                               | 0.30   |  |

### 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® 1200 | MS1200.0404B.10 | 4x4" (10x10cm)   | 600     | 10     | Value Pack |
| MicroSeal® 1200 | MS1200.0909.8   | 9x9" (23x23cm)   | 100     | 8      | Stacked    |
| MicroSeal® 1200 | MS1200.0909B.8  | 9x9" (23x23cm)   | 100     | 8      | Value Pack |
| MicroSeal® 1200 | MS1200.1212.14  | 12x12" (30x30cm) | 100     | 6      | Stacked    |
| MicroSeal® 1200 | MS1200.1212B.14 | 12x12" (30x30cm) | 100     | 6      | Value Pack |

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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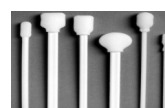
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