

## MicroPolx<sup>®</sup> 4000-HP

80% Polyester / 20% Nylon Sealed Edge Microdenier Cleanroom Wiper

MicroPolx<sup>®</sup> 4000-HP is a sealed edge cleanroom laundered wiper recommended for ISO Class 4 and above environments composed of polyester and nylon microdenier knitted fiber. It provides superior particle and bacterial removal without damaging critical surfaces. The wiper's high fiber surface area results in more efficient cleaning performance and minimizes the need for potentially harmful solvents.



### Composition and Attributes

- 80 %Polyester / 20% nylon microdenier knitted wiper
- Laundered and packaged in an ISO Class 4 cleanroom
- Ultrasonically sealed edges minimize fiber and particle generation
- Abrasion resistant

### Benefits

- Microfiber yarn increases surface area and provides superior wiping efficiency and sorptive performance
- Cleans efficiently with less solvent usage than traditional wipers
- Removes oily soils with little or no solvent required
- Soft hand and non-abrasive sealed-edge are excellent for sensitive or scratch prone surfaces
- Chemically compatible with IPA and other commonly used solvents
- Complies with RoHS

### Other Microfiber Wipers

- MicroPolx<sup>®</sup> 2750
- MicroPolx<sup>®</sup> 1100

### Applications

- Semiconductor
- TFT—LCD
- Suited for cleaning precise optical machinery and tools
- Used for cleaning a delicate process in critical cleanrooms
- Compatible with ISO Class 4 (Class 10) cleanroom applications and above
- Irradiated options are available

### Value Pack Option

The value pack option provides the same great performance in a more economical bulk packaging format.

[www.Berkshire.com](http://www.Berkshire.com)

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## Technical Data:

| Attribute                   |                  | Units                             | Value        | Test Method                                   |
|-----------------------------|------------------|-----------------------------------|--------------|---|
| <b>Basis Weight</b>         |                  | g/m <sup>2</sup>                  | <b>259</b>   | TAPPI T-410                                   |
| <b>Caliper</b>              |                  | µm                                | <b>495</b>   | TAPPI T-411                                   |
| <b>Fibers</b>               | ≥100µm           | fibers/cm <sup>2</sup>            | <b>0.21</b>  | IEST-RP-CC004.4 Sec 7.1.3 /Sec 7.2.2 modified |
| <b>Particles</b>            | ≥0.5µm           | x10 <sup>3</sup> /cm <sup>2</sup> | <b>10</b>    | IEST-RP-CC004.4 Sec 7.1.3 /Sec 7.2.1 modified |
| <b>Sorbency</b>             | Capacity         | mL/m <sup>2</sup>                 | <b>430</b>   | IEST-RP-CC004.4 Sec 9.1 /Sec 9.2 modified     |
|                             | Efficiency       | mL/g                              | <b>1.6</b>   |   |
|                             | Rate             | seconds                           | <b>10</b>    |   |
| <b>Non-Volatile Residue</b> | DI Water         | g/m <sup>2</sup>                  | <b>0.021</b> | IEST-RP-CC004.4 Sec 8.1.2                     |
|                             | IPA              | g/m <sup>2</sup>                  | <b>0.24</b>  |   |
| <b>Ions</b>                 | Na <sup>+</sup>  | ppm                               | <b>0.25</b>  | IEST-RP-CC004.4 Sec 8.2.2                     |
|                             | K <sup>+</sup>   | ppm                               | <b>0.085</b> |   |
|                             | Ca <sup>++</sup> | ppm                               | <b>1.5</b>   |   |
|                             | Mg <sup>++</sup> | ppm                               | <b>0.079</b> |   |
|                             | Cl <sup>-</sup>  | ppm                               | <b>0.45</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   |
|--------------------------------|----------------|----------------|---------|--------|---------|
| MicroPolx <sup>®</sup> 4000-HP | MP4000HP060640 | 6x6" (15x15cm) | 25      | 40     | Stacked |
| MicroPolx <sup>®</sup> 4000-HP | MP4000HP090910 | 9X9" (23x23cm) | 50      | 10     | Stacked |

## Other Berkshire Products



Wipers



Glove Liners



Mop Systems



Documentation Systems



Face Masks



Swabs