

## MicroPolx<sup>®</sup> 4000-HP

### 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

- Polyester/nylon microdenier knitted wiper
- Laundered and packaged in Berkshire's 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

#### Other Microfiber Wipers

- MicroPolx 2750

#### 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

#### Value Pack Option

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

#### 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.

## Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m <sup>2</sup>	259	TAPPI T-410
Caliper		µm	495	TAPPI T-411
Fibers	≥100µm	fibers/cm <sup>2</sup>	0.21	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	≥0.5µm	x10 <sup>3</sup> /cm <sup>2</sup>	10	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m <sup>2</sup>	430	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	1.6	
	Rate	seconds	10	
Non-Volatile Residue	DI Water	g/m <sup>2</sup>	0.021	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m <sup>2</sup>	0.24	
Ions	Na <sup>+</sup>	ppm	0.25	IEST-RP.CC004.3, Sec 7.2.2
	K <sup>+</sup>	ppm	0.085	
	Ca <sup>++</sup>	ppm	1.5	
	Mg <sup>++</sup>	ppm	0.079	
	Cl <sup>-</sup>	ppm	0.45	

### 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	MP4000HP.0909.10	9x9" (23x23cm)	50	10	Stacked
MicroPolx <sup>®</sup> 4000-HP	MP4000HP.1212.25	12X12" (30x30cm)	10	25	Stacked

## Other Berkshire Products



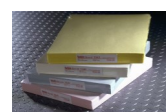
Wipers



Glove Liners



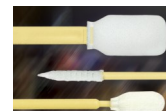
Mop Systems



Documentation Systems



Face Masks



Swabs