

## MicroFirst® LP

58% Polyester / 42% Lyocell Nonwoven Cleanroom Wiper

MicroFirst LP® is a polyester / lyocell nonwoven wiper recommended for ISO Class 5 and above environments composed of a hydroentangled nonwoven blend of 58% polyester and 42% lyocell.

This combination of properties provides MicroFirst LP® with an exceptional level of cleanliness, absorbency, and softness required for more critical processing areas and sensitive surfaces.

MicroFirst LP® has the highest combination of purity and absorbency available in a nonwoven.



### Key Attributes

- 58% polyester / 42% lyocell hydroentangled nonwoven blend
- No binders or other chemical additives

### Benefits

- Excellent combination of the synthetic polyester strength and cleanliness with the absorbent characteristics of lyocell
- Exceptionally pure and absorbent
- Very low particle and fiber generation
- Very durable with high wet strength
- Soft texture
- Chemically compatible with common cleaning and disinfecting solutions
- Autoclavable

### Applications

- Designed for use in ISO Class 5 and higher cleanroom environments
- Polishing and cleaning metals, plastics, epoxy surfaces
- Cleaning in etch and photolithography environment
- Ideal for wiping delicate surfaces and sensitive components
- Spill control
- Applying and removing cleaning and disinfecting solutions

### Other ISO Class 5 and above nonwoven wipers

- BlueSorb® 750
- Durx® 670
- Durx® 770
- MicroFirst®
- ProjX® 700
- Pro-Wipe® 750
- Pro-Wipe® 880
- ValuClean® Plus

### 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.

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## Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m <sup>2</sup>	70.2	TAPPI T-410
Caliper		µm	299	TAPPI T-411
Fibers	≥100µm	fibers/cm <sup>2</sup>	20	TEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	≥0.5µm	x10 <sup>3</sup> /cm <sup>2</sup>	4.1	TEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m <sup>2</sup>	377	TEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	5.4	
	Rate	seconds	3	
Non-Volatile Residue	DI Water	g/m <sup>2</sup>	0.021	TEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m <sup>2</sup>	0.0092	
Ions	Na <sup>+</sup>	ppm	13	TEST-RP.CC004.3, Sec 7.2.2
	K <sup>+</sup>	ppm	1.2	
	Ca <sup>++</sup>	ppm	20	
	Mg <sup>++</sup>	ppm	5.8	
	Cl <sup>-</sup>	ppm	11	

## 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
MicroFirst LP®	MFLP.0909.12	9x9" (23x23cm)	150	12	Stacked
MicroFirst LP®	MFLP.1212.18	12x12" (30x30cm)	100	18	Stacked

## Other Berkshire products



Wipers



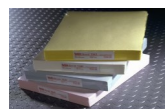
Mop Systems



Face Masks



Glove Liners



Documentation Systems



Swabs