

## Super Polx® LWSE

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

Super Polx® LWSE is an ultrasonically sealed edge cleanroom laundered wiper recommended for ISO Class 3 (Class 1) and above environments composed of 100% continuous filament polyester knit fabric. This combination of properties provide Super Polx® LWSE with the highest level of cleanliness, abrasion resistance and chemical compatibility required for ISO Class and above environments and applications requiring critical control of contaminants combined with



#### Key Attributes

- 100% continuous filament polyester knit
- Ultrasonically sealed edge for reduced fibre contamination
- Laundered and packaged in an ISO Class 4 (Class 10) cleanroom
- Economical bulk packaging available

#### Benefits

- Low particles, fibres, ions and non-volatile residue
- High abrasion resistance
- Chemically compatible with IPS, acetone and other solvents
- High sorbency
- Combination of weight and caliper provide an excellent hand for cleaning rough surfaces

#### Environmental

- Light weight, high absorbency design reduces landfill waste impact when compared to more traditional heavier weight designs

#### Other ISO Class 3 and above knitted wipers

- CapSure® LP
- CapSure® VP
- MicroSeal® VP
- MicroSeal® 1200
- SuperPolx® SWSE
- ValuSeal® HA
- ValuSeal® LP
- ValuSeal® 1500
- UltraSeal® 3000
- MicroSeal® 3000

#### Applications

- Designed for use in ISO Class 3 and higher cleanroom environments
- Oxidation, Metallization or CVD processing
- Breakdown cleans in fab and suite construction
- Chamber cleaning and CMP processing
- Stencil and other print roll cleaning applications
- Cleaning of medical device products
- Applying and removing cleaning and disinfecting solutions

#### 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.

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## Technical Data:

Attribute		Units	Value	Test Method
<b>Basis Weight</b>		g/m <sup>2</sup>	<b>122</b>	TAPPI T-410
<b>Caliper</b>		µm	<b>449</b>	ASTM D1777
<b>Fibres</b>	≥100µm	fibres/cm <sup>2</sup>	<b>0.089</b>	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.2
<b>Particles</b>	≥0.5µm	x10 <sup>9</sup> /cm <sup>2</sup>	<b>1.3</b>	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.1
<b>Sorbency</b>	Capacity	mL/m <sup>2</sup>	<b>339</b>	IEST-RP-CC004.4 Sec 9.1 / Sec 9.2 modified
	Efficiency	mL/g	<b>2.8</b>	
	Rate	seconds	<b>1</b>	
<b>Non-Volatile Residue</b>	DI Water	g/m <sup>2</sup>	<b>0.0053</b>	IEST-RP-CC004.4 Sec 8.1.2
	IPA	g/m <sup>2</sup>	<b>0.0071</b>	
<b>Ions</b>	Na <sup>+</sup>	ppm	<b>0.026</b>	IEST-RP-CC004.4 Sec 8.2.2
	K <sup>+</sup>	ppm	<b>0.0058</b>	
	Ca <sup>++</sup>	ppm	<b>0.038</b>	
	Mg <sup>++</sup>	ppm	<b>0.00032</b>	
	Cl <sup>-</sup>	ppm	<b>0.021</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 utilised 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
Super Polx® LWSE	SPLWSE0909B14	9x9" (23x23cm)	150	14	Value Pack

## Other Berkshire products



Wipers



Mop Systems



Face Masks



Glove Liners



Documentation Systems



Swabs