

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 superior performance.



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

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

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

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 10⁻⁶ sterility assurance level. Dry and pre-wetted versions available.

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Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m ²	122	TAPPI T-410
Caliper		µm	449	ASTM D1777
Fibres	≥100µm	fibres/cm ²	0.089	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.2
Particles	≥0.5µm	x10 ⁹ /cm ²	1.3	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.1
Sorbency	Capacity	mL/m ²	339	IEST-RP-CC004.4 Sec 9.1 / Sec 9.2 modified
	Efficiency	mL/g	2.8	
	Rate	seconds	1	
Non-Volatile Residue	DI Water	g/m ²	0.0053	IEST-RP-CC004.4 Sec 8.1.2
	IPA	g/m ²	0.0071	
Ions	Na ⁺	ppm	0.026	IEST-RP-CC004.4 Sec 8.2.2
	K ⁺	ppm	0.0058	
	Ca ⁺⁺	ppm	0.038	
	Mg ⁺⁺	ppm	0.00032	
	Cl ⁻	ppm	0.021	

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