

Surex™ 100

55% Cellulose / 45% Polyester Nonwoven Cleanroom Wiper

Surex™ 100 is composed of a hydroentangled, nonwoven blend of 55% cellulose and 45% polyester. Berkshire's proprietary manufacturing process results in an ultra-clean wiper with low particles, fibers and ions without sacrificing absorbency or softness.

Surex™ 100 is recommended for ISO Class 5 and above environments where cleanliness and absorbency are of the most importance.



Key Attributes

- 55% cellulose / 45% polyester hydroentangled nonwoven blend
- Proprietary manufacturing process for low particles, fibers, and ions

Benefits

- Excellent combination of the synthetic polyester strength and cleanliness with the absorbent characteristics of cellulose
- Low particles, fibers, and ions
- Strong and durable, wet and dry
- Soft, flexible hand
- Smooth and highly absorbent
- Low extractable levels compared to an untreated wiper
- Chemically compatible with common cleaning and disinfecting solutions
- Autoclavable
- Economical

Environmental

- Complies with RoHS 2002/05 and REACH requirements
- 55% cellulose fiber content is biodegradable

Applications

- Designed for use in ISO Class 5 and higher cleanroom environments
- Facilities manufacturing integrated circuit, printed circuit board and electronic components
- General equipment wrap and wipe downs
- General purpose wiping applications
- Cleaning of lab equipment
- General wiping in component prep, compounding and wash areas

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.

Other ISO Class 5 and above nonwoven wipers

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

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Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m ²	72.6	TAPPI T-410
Caliper		µm	266	TAPPI T-411
Fibers	≥100µm	fibers/cm ²	24	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles (LPC)	≥0.5µm	x10 ³ /cm ²	9.1	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m ²	311	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	4.3	
	Rate	seconds	3	
Non-Volatile Residue	DI Water	g/m ²	0.017	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m ²	0.0066	
Ions	Na ⁺	ppm	12	IEST-RP.CC004.3, Sec 7.2.2
	K ⁺	ppm	1.3	
	Ca ⁺⁺	ppm	5.3	
	Mg ⁺⁺	ppm	3.1	
	Cl ⁻	ppm	10	

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
Surex™ 100	SR100.0909.20	9x9" (23x23cm)	300	20	Stacked
Surex™ 100	SR100.1212.20	12x12" (30x30cm)	150	20	Stacked

For more information on our other contamination control products or technical consultation, please contact your Berkshire Sales Representative or e-mail: info@berkshire.com

Other Berkshire products

For information on our other products, please click on the relevant text.



[Wipers](#)



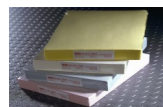
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