

SatPax® HA & HAR

Pre-wetted Sealed Edge Cleanroom Laundered 100% Polyester Knit Wiper

SatPax® HA-R combines ValuSeal® -HA ultrasonically sealed edge cleanroom laundered wipers composed of 100% continuous filament polyester knit fabric wetted with various concentrations of Isopropyl alcohol. This pre-wetted format provides a cost effective and easy to use solution versus traditional bulk handling of solvents, maintenance of squirt bottles and inconsistent wetting and cleaning associated with wetting a dry wiper during cleaning. A high solution saturation level of 65% makes SatPax® HA-R Ideal for regulated applications or applications requiring higher solution levels delivered to the surface.



Key Attributes

- 100% continuous filament polyester knit
- Ultrasonically sealed edge for reduced fiber contamination
- Laundered and packaged in Berkshire's ISO Class 4 cleanroom
- Pre-wetted with consistent IPA and DI Water concentration and saturation limits
- Re-sealable solvent resistant packaging

Benefits

- Critically low particles, fibers, ions and extractables
- High abrasion resistance
- Reduces alcohol usage and preparation / handling costs
- Reduces VOC emissions
- Increases cleaning efficiency
- Increases cleaning protocol consistency

Environmental

- Light weight material design can reduce landfill waste impact when compared to more traditional heavier weight designs
- Reduces VOC (Volatile Organic Compound) emissions
- Complies with RoHS and pre-registered under REACH

Applications

- Designed for use in ISO Class 3 and higher cleanroom environments
- Designed for use in wet cleaning of critical surfaces where control of flammable solvents and flammable solvent concentrations is required
- Final cleaning of surfaces or products prior to manufacturing or packaging

Packing Options

Available in 30 sheets j-folded pack or 50 sheet flat pack formats.

Alcohol Mixtures

Alcohol / DI Water mixtures can be varied to fit the customer requirements. Typical mixtures are 70/30 and 9/91 IPA/DI Water.

Saturation Levels

The amount of solution contained in each wiper can be varied according to customer requirements. Higher saturation levels apply more solution to the surface during cleaning.

Sterile Validated Option

For aseptic processing areas, the same wiper material can be provided in a gamma irradiated validated sterile to a 10⁻⁶

Other Class 3 and above Pre-wetted wipers

- SatPax® 3000
- SatPax® ValuSeal® 1500
- SatPax® MicroSeal® 1200

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Technical Data (In Dry State)

Attribute		Units	Value	Test Method
Basis Weight		g/m ²	136	TAPPI T-410
Caliper		µm	435	TAPPI T-411
Fibers	≥100µm	fibers/cm ²	0.080	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
Particles	≥0.5µm	x10 ³ /cm ²	0.31	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
Sorbency	Capacity	mL/m ²	567	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	4.2	
	Rate	seconds	1	
Non-Volatile Residue	DI Water	g/m ²	0.0042	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m ²	0.0092	
Ions	Na ⁺	ppm	0.41	IEST-RP.CC004.3, Sec 7.2.2
	K ⁺	ppm	0.048	
	Ca ⁺⁺	ppm	0.035	
	Mg ⁺⁺	ppm	0.0085	
	Cl ⁻	ppm	0.21	

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	IPA/DI	Saturation	VOC % by	Style
SatPax® HA-R	SPXHAR.01.8	12x12"(30x30cm)	25	8	70/30	70%	46%	C-Fold
SatPax® HA	SPXHA.01B.8	9x9"(30x30cm)	150	8	5/95	46%	2.6%	Value Pack

Other Berkshire Products



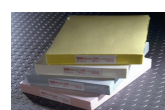
Wipers



Glove Liners



Mop Systems



Documentation Systems



Face Masks



Swabs