Product Information

ISO Class 3 – 5

Cleanroom Class 1 – 100

EU Grade B/C/D

MicroSeal®-VP AS (Aerospace)

Sealed Edge Cleanroom Laundered 100% Polyester Knit Wiper

MicroSeal®-VP AS for Aerospace is an ultrasonically sealed edge cleanroom laundered wiper required for ISO Class 3 and above environments This 100% continuous filament polyester knit wiper meets AMS 3819E, Class 4, Style 3, Type 1, Grade A, Form 1 requirements. This combination of properties provides MicroSeal®-VP with the highest level of cleanliness, abrasion resistance and chemical compatibility required for ISO Class 3 and above environments and applications requiring critical control of contaminants combined with superior performance.

Other AS (Aerospace) wipers

- MicroSeal SuperSorb® AS
- Durx® 670 AS
- SatPax® 670 AS

Key Attributes

- 100% continuous filament polyester knit
- Ultrasonically sealed edge for reduced fiber contamination
- Laundered and packaged in Berkshire's ISO Class 4 cleanroom

Benefits

- Critically low particles, fibers, ions and extractables
- Meets AMS 3819E requirements, Class 4, Style 3, Type 1, Grade A, Form 1
- High abrasion resistance
- Chemically compatible with IPA, Acetone and other solvents
- High absorbency
- Light weight, high absorbency material design reduces actual cost in use compared to heavier weight products

Applications

- Designed for use in ISO Class 3 and higher cleanroom environments
- Designed for the highest level of contamination control in critical processing applications
- Oxidation, Metallization, CVD or Photolithography processes
- Chamber cleaning and CMP processing
- Stencil and other print roll cleaning applications
- Steam autoclavable for aseptic applications
- Cleaning of medical device products
- Applying and removing cleaning and disinfecting solutions

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Berkshire
ENGINEERED CLEAN

Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m^2	**130**	TAPPI T-410
Caliper		µm	**442**	TAPPI T-411
Fibers	≥100µm	$fibers/cm^2$	**0.12**	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.2 modified
Particles	≥0.5µm	$x10^3/cm^2$	**0.31**	IEST-RP-CC004.4 Sec 7.1.3/Sec 7.2.1 modified
Sorbency	Capacity	mL/m^2	**448**	IEST-RP-CC004.4 Sec 9.1 / Sec 9.2 modified
	Efficiency	mL/g	**3.4**	
	Rate	seconds	**1**	
Non-Volatile Residue	DI Water	g/m^2	**0.0019**	IEST-RP-CC004.4 Sec 8.1.2
	IPA	g/m^2	**0.0054**	
Ions	Na^+	ppm	**0.17**	IEST-RP-CC004.4 Sec 8.2.2
	K^+	ppm	**0.024**	
	Ca^{++}	ppm	**0.053**	
	Mg^{++}	ppm	**0.011**	
	Cl^-	ppm	**0.032**	

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
MicroSeal®-VP AS	MSVP09098AS	9x9" (23x23cm)	150	8	Stacked
MicroSeal®-VP AS	MSVP121214AS	12x12" (30x30cm)	75	14	Stacked

Other Berkshire Products

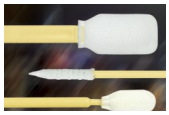
Wipers

Glove Liners

Mop Systems

Documentation Systems

Face Masks


Swabs