

MicroSeal®-VP

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.



Key Attributes

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

Benefits

- Critically low particles, fibres, 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

Other AS (Aerospace) wipers

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

Technical Data:

Attribute		Units	Value	Test Method
Basis Weight		g/m ²	130	TAPPI T-410
Caliper		µm	442	TAPPI T-411
Fibres	≥100µm	fibres/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 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
MicroSeal®-VP AS	MSVP09098AS	9x9" (23x23cm)	150	8	Stacked
MicroSeal®-VP AS	MSVP121214AS	12x12" (30x30cm)	75	14	Stacked

Other Berkshire products



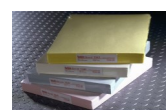
Wipers



Glove Liners



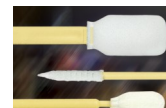
Mop Systems



Documentation Systems



Face Masks



Swabs