

## ValuClean®

### 65% Cellulose / 35% Polyester Nonwoven Cleanroom Wiper

ValuClean® is a cellulose / polyester nonwoven wiper recommended for ISO Class 5 and above environments composed of a hydroentangled nonwoven blend of 65% cellulose and 35% polyester.

This combination of properties provides ValuClean® with the level of absorbency, abrasion resistance and chemical compatibility required for controlled environments and applications where both cleanliness

and economy are of the most importance. The increased cellulose level also provides ValuClean® with a higher level of absorbency and biodegradability compared to typical cellulose / polyester nonwoven wipers.



#### Key Attributes

- 65% cellulose / 35% polyester hydroentangled nonwoven blend
- No binders or other chemical additives

#### Benefits

- Excellent combination of the synthetic polyester strength and cleanliness with the absorbent characteristics of cellulose
- Smooth with excellent strength and durability
- High absorbency compared to typical cellulose / polyester nonwoven wipers can reduce actual wiper usage in spill or solution removal applications
- Low extractable levels and particle counts
- Chemically compatible with common cleaning and disinfecting solutions
- Autoclavable
- Economical

#### Environmental

- Complies with RoHS 2002/05 and REACH requirements
- High absorbency design can reduce landfill waste impact when compared to most typical cellulose / polyester nonwoven wipers
- 65% cellulose fiber content is biodegradable

#### Applications

- Designed for use in ISO Class 5 and higher cleanroom environments
- General equipment wrap and wipe downs
- Cleaning of lab equipment
- General wiping in component prep, compounding and wash areas
- Applying and removing cleaning and disinfecting solutions and spill pick up

#### Other Class 5 and above nonwoven wipers

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

#### 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<sup>-6</sup> sterility assurance level. Dry and pre-wetted versions available.

[www.berkshire.com](http://www.berkshire.com)

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## Technical Data:

Attribute		Units	Value	Test Method
<b>Basis Weight</b>		g/m <sup>2</sup>	<b>69.0</b>	TAPPI T-410
<b>Caliper</b>		µm	<b>250</b>	TAPPI T-411
<b>Fibers</b>	≥100µm	fibers/cm <sup>2</sup>	<b>200</b>	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.2
<b>Particles</b>	≥0.5µm	x10 <sup>9</sup> /cm <sup>2</sup>	<b>25</b>	IEST-RP.CC004.3, Sec 6.1.3 / Sec 6.2.1
<b>Sorbency</b>	Capacity	mL/m <sup>2</sup>	<b>325</b>	IEST-RP.CC004.3, Sec 8.1 modified / Sec 8.2 modified
	Efficiency	mL/g	<b>4.7</b>	
	Rate	seconds	<b>2</b>	
<b>Non-Volatile Residue</b>	DI Water	g/m <sup>2</sup>	<b>0.037</b>	IEST-RP.CC004.3, Sec 7.1.2
	IPA	g/m <sup>2</sup>	<b>0.0031</b>	
<b>Ions</b>	Na <sup>+</sup>	ppm	<b>90</b>	IEST-RP.CC004.3, Sec 7.2.2
	K <sup>+</sup>	ppm	<b>4.0</b>	
	Ca <sup>++</sup>	ppm	<b>9.5</b>	
	Mg <sup>++</sup>	ppm	<b>5.5</b>	
	Cl <sup>-</sup>	ppm	<b>42</b>	

### Notes:

- All values are statistical averages
- 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
ValuClean™	VCL.0707.45	7x7" (18x18cm)	300	45	Stacked
ValuClean™	VCL.0909.20	9x9" (23x23cm)	300	20	Stacked
ValuClean™	VCL.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](mailto:info@berkshire.com)

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