

VWR Basic Protection SMS Coveralls

- Multilayer SMS Material
- Light Fluid/Particulate Barrier
- Excellent Breathability

VWR Basic Protection SMS Coveralls are manufactured from a latex-free, multilayer spunbonded-meltblown-spunbonded (SMS) fabric that offers high tensile strength while remaining soft, comfortable, and breathable. These static-dissipative garments act as a fluid and particulate barrier and provide light chemical splash resistance. Coveralls are rigorously tested and manufactured in an ISO Certified facility under stringent process controls to ensure that each product meets exacting quality standards and performs to specification. Our products are validated through independent lab testing.



Coveralls Dimensions

Size	M	L	XL	2X	3X	4X	5X
Body (A)	37½"	38¾"	40"	40½"	43"	43"	43½"
Chest (B)	24¼"	25"	27"	29¾"	32"	32½"	33½"
Sleeve (C)	34"	34"	36½"	37"	38"	41"	42"
Leg (D)	28½"	29½"	30"	31"	32"	32½"	33"

VWR Basic Protection SMS Coveralls

Size	Cat. No.	Case of
White		
Medium	414004-333	25
Large	414004-331	25
X-Large	414004-330	25
2X-Large	414004-329	25
3X-Large	414004-334	25
4X-Large	414004-332	25
Blue		
Small	414004-328	25
Medium	414004-327	25
Large	414004-325	25
X-Large	414004-324	25
2X-Large	414004-322	25
3X-Large	414004-323	25
4X-Large	414004-326	25
White with Attached Fluid-Impervious Boot Covers		
Medium	414004-688	25
Large	414004-689	25
X-Large	414004-690	25
2X-Large	414004-691	25
3X-Large	414004-692	25
4X-Large	414004-693	25
5X-Large	414004-694	25

To order, visit vwr.com or call your VWR Sales Representative today.

Material Properties for VWR® Basic Protection SMS Coveralls

	Test Item	Result	Test Standard	Test Description
PHYSICAL PROPERTIES	Particle Shedding (Helmke Drum)	Level II	IEST-RP-CC003.3	Garments are tumbled in a stainless steel drum for 10 minutes. Particles are then counted with a laser particle counter.
	Weight (g/m ²)	50.45	ASTM D3776	Measurement of fabric mass per unit area (weight).
	Ball Bursting Strength (Avg. lbs./in.)	14.2	ASTM D6797	A steel ball is forced through the fabric with a constant-rate-of-extension tensile tester to determine fabric strength.
	Tensile Strength (Avg. lbs./in.)			
	Warp	13.0	ASTM D5034	Covers the grab and modified grab test procedures for determining the breaking strength and elongation of textile fabrics. Provisions are made for wet testing.
	Filling	16.1		
	Tearing Strength (Avg. lbs./in.)			
	Lengthwise Yarns	3.1	ASTM D2261	Measurement of the tearing strength of textile fabrics by the tongue (single rip) procedure using a recording constant-rate-of-extension-type (CRE) tensile testing machine.
	Widthwise Yarns	2.6		
BARRIER PROPERTIES	Bacterial Filtration Efficiency*	90%	ASTM F2101	Measurement of the filtration efficiency of the fabric using a challenge organism of <i>Staphylococcus aureus</i> .
	Water Resistance (Avg. g)	16.7	AATCC Method 42	Measures the degree to which the material is a barrier to liquids.
COMFORT PROPERTIES	Water Vapor Transmission Rate (Avg. g/m ² /24 hrs.) [†]	965	ASTM E96	Measurement of the rate at which the fabric transfers water vapor under appropriate conditions.
	Air Permeability (cu. ft./min./sq. ft.)	95.3	ASTM D737	Measurement of air permeability to indicate breathability of the fabric.

*Control Average: 2233 CFU.

[†]Procedure B, Water Method, 73.4°F 50% Rh; Air Gap: ¼".

All test results provided by independent third-party testing laboratories located in USA.

WARNING: These garments and associated materials are not suitable for use in some environments containing chemicals and/or hazardous agents. It is the responsibility of the user to determine the level of risk in a particular environment and the proper personal protection equipment needed. Garments manufactured from synthetic non-woven material may generate static electricity. Garments that contain an anti-stat treatment are not intended to be used as a safety feature. These garments are not recommended to be used in a flammable and or explosive environment. Contact VWR International for garment/fabric safety data. The application of these products is out of VWR International's control. Therefore, VWR International, LLC makes no warranties, expressed or implied, and assumes no liability as to the performance of these products for a particular use. Caution: Avoid heat and/or open flame.



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