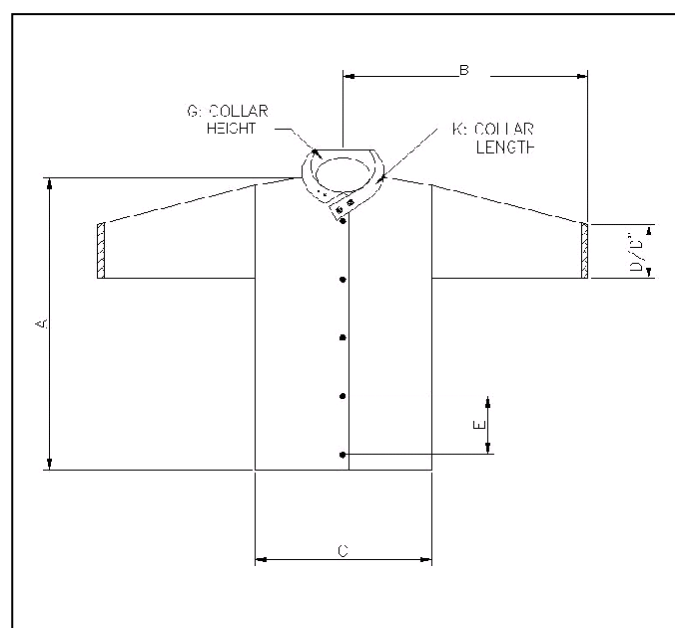


VWR® MAXIMUM SF Frocks

VWR Maximum SF Frocks are the cleanest and most durable within the entire VWR line of apparel. Made with a comfortable spunbonded polypropylene (SF) formulation, these garments have been engineered to optimize barrier protection, cleanliness, and comfort properties. 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 lot controlled and validated through independent lab testing.

CHARACTERISTICS:

- Made of Non-woven spunbonded polypropylene 63grams/m² (breathable fabric)
- Snap collar
- Raglan sleeves
- Snap closure
- Elastic cuffs
- No pockets
- Colour white
- Packed per 1pcs/bag, 25 bags/carton



VWR Cat.number	Size	A	B	C	D	D'	E	G	K
113-1167	M	107,95	87,63	57,79	7,62	12,70	17,78	3,81	52,07
113-1168	L	110,49	90,17	59,69	7,62	13,97	17,78	3,81	55,88
113-1169	XL	116,84	92,71	62,87	7,62	13,97	19,05	3,81	57,15
113-1170	2XL	120,65	95,25	67,31	8,89	15,24	19,05	3,81	59,69
113-1171	3XL	130,81	101,60	73,66	8,89	15,24	19,05	3,81	64,77
113-1172	4XL	133,35	104,14	77,47	8,89	15,24	19,05	3,81	67,31
On demand	5XL	135,89	106,68	80,01	8,89	16,51	19,69	3,81	69,85

Remark: D': final stretch elastic wrist length

PRODUCT SPECIFICATIONS

MATERIAL PROPERTIES

		Result	Test Standard
PHYSICAL PROPERTIES	Particle Shedding (Helmke Drum)	Level I	IEST-RP-CC003.3
	Weight (g/m ²)	63	ASTM D3776
	Thickness (mm)	0.22	ASTM D1777
	Tensile Strength (Avg. lbs./in.)		
	Warp	25.2	ASTM D5034
	Filling	29.4	
	Tearing Strength (Avg. lbs./in.)		
	Lengthwise Yarns	4.8	ASTM D2261
	Widthwise Yarns	5.7	
BARRIER PROPERTIES	Bacterial Filtration Efficiency *	>99.9%	ASTM F2101
	Water Resistance	Pass	AATCC Method 42
	Synthetic Blood Penetration Resistance	Pass	ASTM F1670-08
COMFORT PROPERTIES	Water Vapor Transmission Rate (Avg. g/m ² /24 hrs.)†	733	ASTM E96
	Delta P Breathability (mmH ₂ O/cm ²)	>102	MIL-M-36954C
	Air Permeability (cu. ft./min./sq. ft.)	0.06	ASTM D737
CHEMICAL RESISTANCE	Sulfuric Acid (70% Concentration)	Pass	ASTM F903
	Phosphoric Acid (85% Concentration)	Pass	
	Hydrochloric Acid (37% Concentration)	Fail	
	Household bleach (100% Concentration)	Pass	

*Control Average: 2928 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.

PRODUCT SPECIFICATIONS

MATERIAL SPECIFICATION

Item		Test method	average value standard	
			average value	tolerance for average value
Weight(g/m ²)		GB/T4669-1995	63.00	+/-2
Thickness(mm)		ASTM D1777	0.27	+/- 0.02
Break Tensile properties(N)	MD	ASTM D5034	>100	
	CD	ASTM D5034	>100	
Elongation rate(%)	MD	ASTM D5034	>50	
	CD	ASTM D5034	>50	
Trapezoid tearing strenth(N)	MD	FZ/T01085-1999	>400	
	CD	FZ/T01085-1999	>400	
Ball Burst strenth(N)		ASTM D3787	>100	
Water vapor tranmission(g/24h.sqm)		Q/FS-JS01 31-2004	>1800	
ESD		GB/T12703-91	E11	

QUALITY ASSURANCE CRITERIA:

AQL 1,5 per General Inspection Plan level II, single sampling (ANSI/ASQC Z1.4-1993)

- A. Extraneous material
- B. Dirty products
- C. Thread ends loose or too long
- D. Holes or tears
- E. Foul odor
- F. Off colour
- G. Uneven material thickness
- H. Hard lump
- I. Fibre spinning-hook off
- J. Wrong collar tag
- K. Physical dimension Non-compliance
- L. Sticks is not correct
- M. Cloth surface applied wrongly

QUALITY ASSURANCE CRITERIA FOR MAJOR DEFECTS:

AQL 2.5 per General Inspection Plan Level II, single sampling (ANSI/ASQC Z1.4-1993)

- A. Sewing sundries
- B. Elastic band end exposed
- C. Sewing end falling-off
- D. Jumping stitch
- E. Missing stitch
- F. Less than 8 stitches per inch
- G. Unwanted folds
- H. Elastic tightness non-consistent