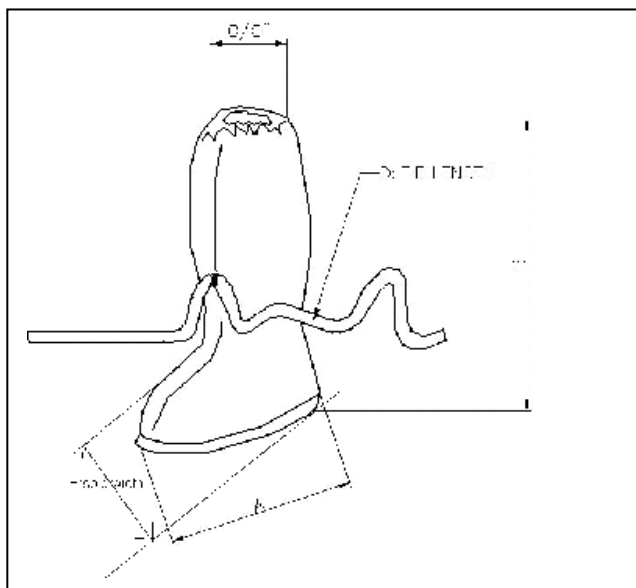
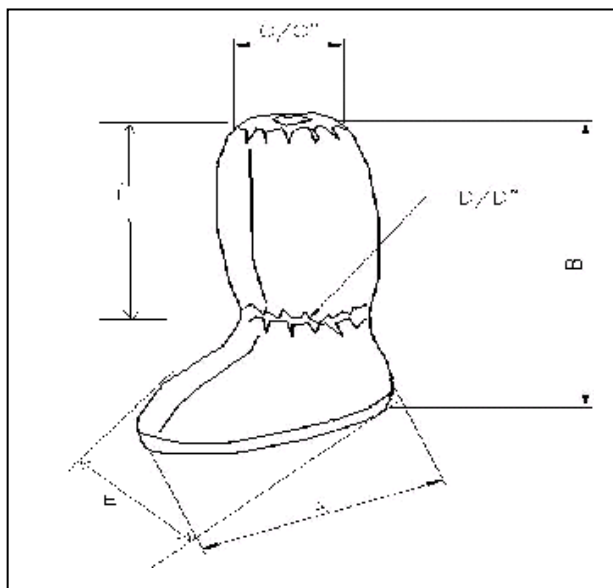


VWR® MAXIMUM Non-Skid High-Top Boot Covers

VWR Maximum Non-Skid High-Top Boot Covers are the cleanest and most durable within the entire VWR line of apparel. Made with a comfortable spunbonded polypropylene (SF) formulation, these shoe covers have been engineered to optimize barrier protection, cleanliness, and comfort. Shoe covers 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 continuously validated through independent lab testing.

CHARACTERISTICS:

- Made of Non-woven spunbonded polypropylene 63grams/m²
- Anti-Skid PVC Sole (0.5 mm)
- Colour white
- Also available with ankle ties
- 100 pair/case



VWR Cat.number	Model	Size	A	B	C	C'	D	D'	E	F
113-1187	Elast.	M	28,58	43,18	13,34	22,86	15,24	24,77	10,80	29,21
113-1188	Elast.	Univ.	34,29	44,45	14,61	24,13	16,51	27,94	11,43	29,21
113-1189	Elast.	XL	38,10	45,72	15,24	29,21	17,15	31,75	12,07	29,21
113-1192	Ties	M	28,58	45,72	11,43	22,86	43,18		10,80	
113-1190	Ties	Univ.	35,56	46,99	13,34	24,13	12,07		11,43	
113-1191	Ties	XL	38,10	48,26	15,24	29,21	43,18		12,07	

Remark: C'/D': final stretch elastic wrist length

PRODUCT SPECIFICATIONS

MATERIAL PROPERTIES

		Result	Test Standard
PHYSICAL PROPERTIES	Particle Shedding (Helmke Drum)	Level I	TEST-RP-CC003.3
	Weight (g/m ²)	63	ASTM D3776
	Wyzenbeek Abrasion Mass Loss	6,17%	200 Rubs Using Zero Grade Emery Paper
	Mullen Bursting Strength (PSI)	18	ASTM D3786
	Abrasion Resistance of Shoe Cover Sole (Av. Cycles at which fabric shows noticeable wear)	1000	ASTM D3884 (H-18 Wheel, 500 g. Load)
	Trapezoid Tearing Strength (lbs./in.)		
	Lengthwise Yarns	4,8	ASTM D4533
	Widthwise Yarns	5,7	
	Tensile Strength (Av. lbs/in.)		
	Wrap	25,2	ASTM D5034
	Filling	29,4	
BARRIER PROPERTIES	Bacterial Filtration Efficiency (28.3L/min, 1CFM)	>99.9%	ASTM F2101
	Water Resistance	Pass	AATCC Method 42
	Synthetic Blood Penetration Resistance	Pass	ASTM F1670-08
SKID-RESISTANCE PROPERTIES	Coefficient of Friction (COF)		
	Kinetic COF	3.54	ASTM D1894
	Static COF	2.88	
CHEMICAL RESISTANCE	Sulfuric Acid (70% Concentration)	Pass	ASTM F903
	Phosphoric Acid (85% Concentration)	Pass	
	Hydrochloric Acid (37% Concentration)	Fail	
	Household bleach (100% Concentration)	Pass	

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/m²)		GB/T4669-1995	63.00	+/-2
Thickness(mm)		ASTM D1777	0.27	+/- 0.02
Break Tensile propertities(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		Q/FS-JS01 31-2004	>1800	
tranmission(g/24h.sqm)				
ESD		GB/T12703-91	E11	

Nonskid sole material: 0.5MM antiskid PVC film

Item		Test method	average value standard	
			average value	tolerance for average value
Thickness		ASTM D1777	0.5mm	+/-0.05mm
Weight (g/m ²)		GB/T4669-1995	480g	20g
Slip resistance	DRY	ASTM F1677	>0.8	
	WET	ASTM F1677	>0.69	
	OIL	ASTM F1677	>0.42	
ESD level		GB/T12703-91	<E10	

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