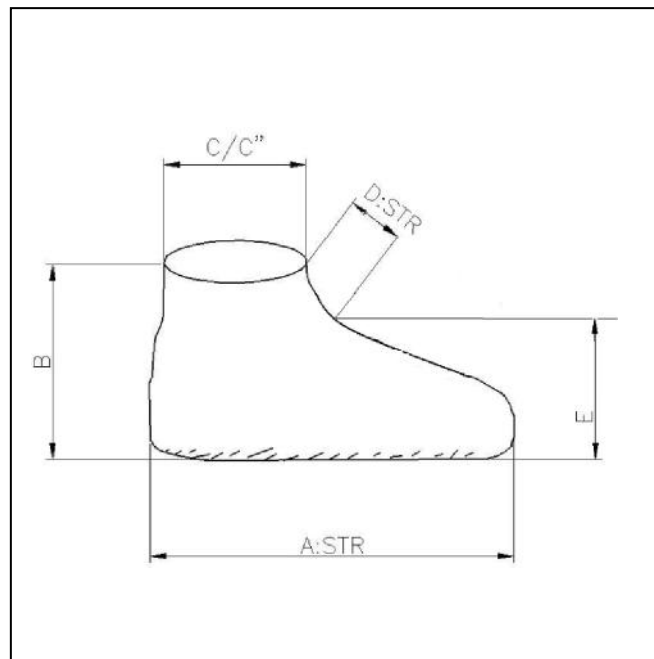


## VWR® MAXIMUM Ankle-High Boot Covers (Fluid-Impervious)

VWR Maximum Fluid-Impervious Butterfly-Style Shoe Covers are the cleanest and most durable within the entire VWR line of apparel. Made with a comfortable spunbonded polypropylene (SPP) 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 laminated polypropylene 60grams/m<sup>2</sup> (PP42,5+PE17,56g)
- Non-skid
- Fluid-impervious, sealed seams to repel water
- Anti-static
- Colours white, blue or black (depending on size)
- 200 pcs/case



| VWR Cat.number | Size  | A     | B     | C     | C'    | D     | E     | Color |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 113-1186       | Univ. | 38,10 | 27,94 | 12,70 | 24,13 | 12,70 | 17,78 | White |
| 113-1184       | XL    | 41,91 | 27,94 | 13,34 | 26,67 | 12,70 | 17,78 | Blue  |
| 113-1185       | XXL   | 46,99 | 28,58 | 13,97 | 29,21 | 12,70 | 19,05 | Black |

Remark: C':final stretch elastic length

## PRODUCT SPECIFICATIONS

## MATERIAL PROPERTIES

|                            |                                                   | Result  | Test Standard                         |
|----------------------------|---------------------------------------------------|---------|---------------------------------------|
| PHYSICAL PROPERTIES        | Particle Shedding (Helmke Drum)                   | Level I | IEST-RP-CC003.3                       |
|                            | Weight (g/m <sup>2</sup> )                        | 60.21   | ASTM D3776                            |
|                            | Wyzenbeek Abrasion Mass Loss                      | 8.03%   | 200 Rubs Using Zero Grade Emery Paper |
|                            | Mullen Bursting Strength (PSI)                    | 23.6    | ASTM D3786                            |
|                            | Tensile Strength (Avg. Lbs/in.)                   |         |                                       |
|                            | Warp                                              | 34.2    | ASTM D5034                            |
|                            | Filling                                           | 28.8    |                                       |
|                            | Trapezoid Tearing Strength (lbs./in.)             |         |                                       |
|                            | Lengthwise Yarns                                  | 13.3    | ASTM D4533                            |
|                            | Widthwise Yarns                                   | 16.5    |                                       |
| BARRIER PROPERTIES         | Bacterial Filtration Efficiency (28.3L/min, 1CFM) | 99.9%   | ASTM F2101                            |
|                            | Water Resistance                                  | Pass    | AATCC Method 42                       |
| SKID-RESISTANCE PROPERTIES | Coefficient of Friction (COF)                     |         |                                       |
|                            | Kinetic COF                                       | 1.44    | ASTM D1894                            |
|                            | Static COF                                        | 0.68    |                                       |

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 <sup>2</sup> )     |    | GB/T4669-1995  | 60.00                  | +/-2                        |
| Thickness(mm)                 |    | ASTM D1777     | 0.32                   | +/- 0.02                    |
| Break Tensile properties(N)   | MD | ASTM D5034     | >85                    |                             |
|                               | CD | ASTM D5034     | >90                    |                             |
| Elongation rate(%)            | MD | ASTM D5034     | >40                    |                             |
|                               | CD | ASTM D5034     | >40                    |                             |
| Trapezoid tearing strength(N) | MD | FZ/T01085-1999 | >600                   |                             |
|                               | CD | FZ/T01085-1999 | >600                   |                             |
| Ball Burst strength(N)        |    | ASTM D3787     | >130                   |                             |
| Durability(circle) Average    |    | ASTM D4966     | >40000                 |                             |
| Durability(circle) Min.       |    | ASTM D4966     | >20000                 |                             |

## 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. Stitches 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