# BioClean-D™ Hood BDHD-L

## Non-sterile long-length protective hood, offering comprehensive personal protection

- **Added protection:** The BioClean-D™ Hood BDHD-L non-sterile protective hood's extended length ensures greater coverage when worn with a coverall
- **Reduced contamination risks:** Due to its lightweight, low-linting material, contamination risks is minimized
- **Electrostatic dissipative properties:** The material is antistatic coated to prevent static buildup, enabling a controlled dissipation of static electricity

### Key Features and Benefits

- **Extended length:** For greater protective coverage
- **Lightweight low-linting material:** Lower contamination risks
- **ESD properties:** Minimal risk of electrostatic damage or interference

### Industries

- Controlled and Critical Environments
- Production and Manufacturing
- Pharmaceutical Manufacturing
- Biotechnology Manufacturing
- Medical Device Manufacturing

# BioClean-D™ Hood BDHD-L

## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

| | |
|---|---|
| Material | Polyethylene/ non-woven polypropylene laminate |
| Color | White |
| Audit Standards | Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D |
| Standards | ASTM F739, Partial Body Protection Only, CE 0598, EN 1149-5:2018, EN 13934-1, EN 13935-2, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 13688:2013+A1:2021, EN ISO 14325, Category III, EN 13034:2005 + A1:2009, UKCA |
| Packaging Overview | 20 pieces per sealed inner PE bag; one inner bag per sealed outer PE bag; six outer bags per lined carton (120 pieces)<br><br>**More sustainable packaging:** Packed in recyclable plastic packaging and delivered in recycled cardboard shipper cases. Inner and outer bags and liner are made from polyethylene (PE) based film. Always check your local recyclable status as these materials may not be considered suitable for recycling in your location |
| Storage | Keep away from direct sunlight; store in a dry place and keep in the original packaging. Keep away from ozone sources. If products are properly stored, as indicated, they won't lose their performances or change characteristics significantly. If products could be affected by ageing or storage, the expiry date is mentioned on the packaging materials. |
| Cleanroom Class | Class 10/ISO 4 |
| Shelf Life | 5 years |
| Construction | Bound seams with single needle stitching |
| Characteristics | *NOTE: BioClean CleanTough material is static dissipative and, with a charge half decay time of 0.07 sec, and so are ideal for use in a static-safe environment. |

### PARTICLE SHEDDING TEST RESULTS

| TEST | RESULT |
|---|---|
| Particle Shedding (Helmke Drum Test) | ≥ 0.5μm (counts/min) <2000 |

### ASTM F739-12 TEST METHOD RESULTS

| DRUG | Mean Breakthrough Time (MBT), Minutes<br>Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 0.1 μg/cm² /min |
|---|---|
| CISPLATIN | >240 |
| CARMUSTINE | <6 |
| CYCLOPHOSHAMIDE | 217 (275,162,215) |
| DOXORUBICINHYDROCHLORIDE | >240 |
| 5-FLUOROURACIL | >240 |
| METHOTREXATE | >240 |
| ETOPOSIDE | >240 |
| PACLITAXEL | <10 |
| THIOTEPA | 30 (28,30,33) |

Results achieved under controlled laboratory conditions, by accredited external testing laboratory. *For Bioclean D and Bioclean 2000, the chemical permeation results relates to the fabric performance for reference only. Seams and closures may have lower breakthrough times. We recommend garments with sealed seams such as Bioclean-C to be worn over the coverall for added protection against chemotherapy drugs handling.

### SIZE CHART

Universal

# BioClean-D™ Hood BDHD-L

## MATERIAL PERFORMANCE TEST RESULTS

| TEST | RESULT | PERFORMANCE CLASS | PERFORMANCE STANDARD |
|---|---|---|---|
| Abrasion Resistance | >10 cycles | 1 | EN 12947-2 |
| Flex Cracking Resistance | >50,000 cycles | 6 | EN ISO 7854 |
| Puncture Resistance | >5 N | 1 | ISO 13996 |
| Trapezoidal Tear Resistance Cross Direction (CD) | EN ISO 9073-4 | 1 | EN ISO 9073-4 |
| Trapezoidal Tear Resistance Machine Direction (MD) | >10 N | 1 | EN ISO 9073-4 |
| Tensile Strength Cross Direction (CD) | >30 N | 1 | EN ISO 13934-1 |
| Tensile Strength Machine Direction (MD) | >30 N | 1 | EN ISO 13934-1 |
| Repellence to Liquids – 30% Sulfuric Acid | >90% | 3 | ISO 6530 |
| Repellence to Liquids – 10% NaOH | >90% | 3 | ISO 6530 |
| Repellence to Liquids – O-Xylene | >80% | 2 | ISO 6530 |
| Repellence to Liquids – Butan-1-ol | >90% | 3 | ISO 6530 |
| Penetration by Liquids – 30% Sulfuric Acid | <1% | 3 | ISO 6530 |
| Penetration by Liquids – 10% NaOH | <1% | 3 | ISO 6530 |
| Penetration by Liquids – O-Xylene | <1% | 3 | ISO 6530 |
| Penetration by Liquids – Butan-1-ol | <1% | 3 | ISO 6530 |
| Seam Strength[2] | >50 N | 2 | ISO 13935-2 |
| Electrostatic Charge Half Decay Time, Time to 50% (s) | PASS | | EN1149-3 |

1. Seam not destroyed
2. The material is static dissipative. Tested in accordance with EN1149-5

## ORDERING INFORMATION

| | SIZE | Universal |
|---|---|---|
| BDHD-L | REORDER NO. | BDHD-L |

### Performance Standards and Regulatory Compliance

PARTIAL BODY PROTECTION ONLY

CE 0598

TYPE PB [6]

UK CA

### For additional information visit us at www.ansell.com, or call us at


**Europe, Middle East & Africa Region**
Ansell Healthcare Europe NV
T: +32 (0) 2 528 74 00
F: +32 (0) 2 528 74 01

**Asia Pacific Region**
Ansell Global Trading Center
T: +603 8310 6688
F: +603 8310 6699

**North America Region**
Ansell Healthcare Products LLC
US T: +1 800 800 0444
US F: +1 800 800 0445
CA T: +1-800-363-8340

**Latin America & Caribbean Region**
Ansell Commercial Mexico S.A. de C.V.
T: +52 442 248 1544 / 248 3133

**Australia**
Ansell Limited
T: +61 1800 337 041
F: +61 1800 803 578

**UK**
Ansell Nitritex
T: +44 1638 663338
F: +44 1638 668890



Ansell, ® and ™ are trademarks owned by Ansell Limited or one of its affiliates. US Patented and US and non-US Patents Pending: www.ansell.com/patentmarking © 2025 Ansell Limited. All Rights Reserved.

Neither this document nor any other statement made herein by or on behalf of Ansell should be construed as a warranty of merchantability or that any Ansell product is fit for a particular purpose. Ansell assumes no responsibility for the suitability or adequacy of an end user's selection of gloves for a specific application.

Please see product validation pack or contact Ansell customer service for specific data on use of garments with cytotoxic drugs. Garments used for protection against such drugs must be selected specifically for the type of chemicals used.