



BioClean-D™ Hood - Sterile S-BDHD-L

Sterile extended-length protective hood, delivering more complete personal protection

- **Added protection:** The BioClean-D™ Hood S-BDHD-L sterile protective hood's added length offers more protective coverage when worn with a coverall
- **Reduced contamination risks:** Due to its low-linting, lightweight material contamination risks are minimized
- **Electrostatic dissipative properties:** The material used is antistatic coated, preventing static buildup and enabling a controlled dissipation of static electricity
- **CAUTION:** Please contact Ansell Customer Service for specific chemotherapy drug permeation times and recommendations



Key Features and Benefits

- **Extended length:** More complete protective coverage
- **Low-linting lightweight material:** Fewer contamination risks
- **ESD properties:** Reduced risk of electrostatic interference or damage

Industries

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





BioClean-D™ Hood - Sterile S-BDHD-L

TECHNICAL DATA SHEET

PRODUCT INFORMATION

| | |
|-----------------------------------|---|
| Material | CleanTough™ |
| Audit Standards | Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D |
| Standards | ASTM F739, CE 0598, EN ISO 13688:2013, EN 1149-5:2008, EN 13934-1, EN 13935-2, EN 530, EN 6530, EN 7854, EN 863, EN 9073-4, EN ISO 14325, ISO 11137-1:2006, Category III, EN 13034:2005 + A1:2009 |
| Packaging Overview | One piece per sealed inner PE bag; 20 inner bags per sealed outer PE bag; six outer bags per lined carton (120 pieces) |
| Country Of Origin | Sri Lanka |
| Sterilization Method | GAMMA irradiation (25 kGy) |
| Sterilization Minimum Dose | 25kGy |
| Sterility Assurance Level | 10 ⁻⁶ |
| Cleanroom Class | Class 10/ISO Class 4 & EU GMP Grade A/B and other sterile cleanrooms |
| Shelf Life | Three (3) years from date of manufacture. |
| 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. |

MATERIAL PERFORMANCE TEST RESULTS

| TEST | RESULT | PERFORMANCE CLASS |
|--|------------------------|-------------------|
| Abrasion Resistance | 10 to 100 cycles | 1 |
| Flex Cracking Resistance | 5,000 to 15,000 cycles | 3 |
| Trapezoidal Tear Resistance Cross Direction (CD) | CD 29.3 N | 2 |
| Trapezoidal Tear Resistance Machine Direction (MD) | MD 55.5 N | 3 |
| Tensile Strength Cross Direction (CD) | CD 48 N | 1 |
| Tensile Strength Machine Direction (MD) | MD 97 N | 2 |
| Puncture Resistance | 8 N | 1 |
| Repellence to Liquids - 30% H ₂ SO ₄ | 96.3% | 3 |
| Repellence to Liquids - 10% NaOH | 97.6% | 3 |
| Repellence to Liquids - O-Xylene | 95.7% | 2 |
| Repellence to Liquids - Butan-1-ol | 96.6% | 3 |
| Penetration by Liquids - 30% H ₂ SO ₄ | 0% | 3 |
| Penetration by Liquids - 10% NaOH | 0% | 3 |
| Penetration by Liquids - O-Xylene | 0% | 3 |
| Penetration by Liquids - Butan-1-ol | 0% | 3 |
| Seam Strength ² | 70 N | 2 |
| Electrostatic Charge Half Decay Time, t ₅₀ (secs) | 0.07 | PASS |

- 1.
2. Seam not destroyed



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PARTICLE SHEDDING TEST RESULTS

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

ASTM F739-12 TEST METHOD RESULTS

| DRUG | Mean Breakthrough Time (MBT), Minutes Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 0.1 Qg/cm ² /min |
|--------------------------|--|
| CISPLATIN | >240 |
| CARMUSTINE | <6 |
| CYCLOPHOSAMIDE | 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.

SIZE CHART

Universal

ORDERING INFORMATION

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

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Performance Standards and Regulatory Compliance



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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.

