TECHNICAL DATA PACKAGE

Lantex® 100 Style: L1H459-99 Single-Use Emergency Medical Garment NFPA Certified 1999-2018 Edition



Design Description

- The garment shall be constructed from a composite fabric comprised of microporous film laminated to a polypropylene substrate. Available in Black/Gray.
- Outer seams shall be stitched with thread and covered with heat sealed seam tape on the inside of the seam.
- 3. The garment shall be a rear entry coverall with a urethane coated cloth zipper located in the center back of the garment. The zipper shall open from the bottom to the top. Storm flaps made of the base fabric shall cover the zipper. The storm flaps shall have hook and loop fasteners.
- 4. The garment hood shall have an elastomeric face seal for integration with a full face respirator face piece.
- 5. The garment shall have finger loops at the wrists.
- 6. The garment shall be constructed with sock booties made from the garment material to allow the use of a replaceable outer boot. The boot area shall be covered by a splash guard made of the garment material. Sock booties are designed to be worn inside outer boots.
- 7. Garments are individually vacuum sealed and packed six per case.
- 8. Combination sized garment: XS, SMMD, LGXL, 2X3X, 4X, and 5X.
- 9. The garment shall be compliant with the Berry Amendment.

Certification Test Data

| Performance Requirement | Test Method | Requirement | Result |
|-----------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| GARMENT | | | |
| Liquidtight Integrity (Test One) | ASTM F1359 (Section 8.2) | No liquid penetration | PASS |
| Overall Ensemble Function | ASTM F1154, mod. (Section 8.40) | Complete tasks in ≤ 20 min with garment closure remaining engaged Test subject properly identifies 3 out of 4 numbers on NFPA 704 placard at each angle Visual acuity $\geq 20/35$ Protective flap remains closed over closure system No liquid penetration following exercises | PASS |
| GARMENT MATERIAL | | | |
| Biopenetration (Test One) | ASTM F1671 (Section 8.3) | No penetration of Phi-X174 bacteriophage | PASS |
| Burst Strength | ASTM D3787 (Section 8.5) | ≥ 66 N (14.9 lbf) | 125 N |
| Puncture Propagation Tear Resistance | ASTM 2582 (Section 8.6) | ≥ 12 N (2.7 lbf) | 30 N (MD) 68 N (CD) |
| Flammability | ASTM D1230 (Section 8.35) | Flame spread ≥ 3.5 sec | 13.3 sec (MD) 8.3 sec (CD) |
| Moisture Vapor Transmission Rate | ASTM E96, Proc. B, mod. (Section 8.28) | ≥ 650 g/m²/24 hr | 4659 g/m ² / 24hrs |
| SEAMS | | | |
| Biopenetration (Test One) | ASTM F1671 (Section 8.3) | No penetration of Phi-X174 bacteriophage | PASS |
| Seam Breaking Strength | ASTM D1683 (Section 8.8) | ≥ 50 N (11.2 lbf) | 217 N (body) 142 N (flap) |

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