

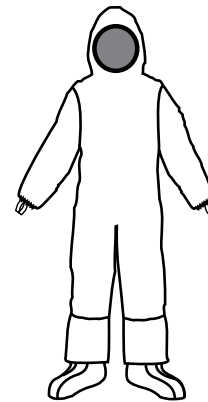
TECHNICAL DATA PACKAGE

Lantex® 100

Style: L1H459-99

Single-Use Emergency Medical Garment

NFPA Certified 1999-2018 Edition



Design Description

1. The garment shall be constructed from a composite fabric comprised of microporous film laminated to a polypropylene substrate. Available in Black/Gray.
2. 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 ≥ 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/m ² /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)

WARNING: This information is based on technical data that Kappler believes to be reliable. It is subject to revision as additional knowledge and experience are gained. The website will contain Kappler's most up to date product information and customers who receive pamphlets, brochures or other literature should be aware that such "hard copy" information may not be as current as the information on Kappler's website. Customers should also recognize that there are uses, environments and chemicals for which Kappler products, garments and/or fabrics are unsuitable. It is the responsibility of the user to review available data and verify that the product, garment and/or fabric is appropriate for the intended use and meets all specified government and/or industry standards. Also, the customer should review all available information on the website to understand the uses- and limitations- on ALL products, garments and fabrics which Kappler makes available. **CAUTION:** Do not use for fire protection. Avoid open flame or intense heat.