

NEW

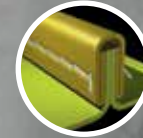
CLEANMAX[®]

Cleanroom Apparel

CleanMax[®] Applications

Cleanrooms

Pharmaceutical
Compounding



Bound Seam



EN ISO 13982-1
:2004 +A1:2010



EN 13034
:2005 +A1:2009



EN 1073-2:2002
TIL = Class 1



EN 14126:2003
(Type 5B, 6B)

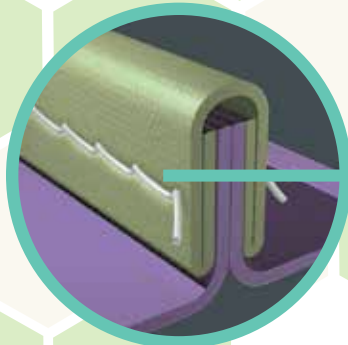
CE 0321

Available in Clean Manufactured or
Clean Sterile configurations

STERILE R Irradiation
Sterilization

All Lakeland[®] CleanMax[™] Apparel is:

- Chemical Penetration Resistance to oils, bleach and 50% Sodium Hydroxide
- Resistant to blood and body fluid penetration
- Resistant to viral penetration
- Resistant to Blood Borne Pathogens
- IEST-RP-CC003 Category I Particle Cleanliness
- Latex and Silicone Free
- Compatible with ISO Class 4 -8 Cleanrooms and all Controlled Environments
- Individually packaged and protective outer bag for ante areas



Bound Seams

CleanMax[™] garments feature bound seams, which are precisely sewn with an additional outer binding. This increases seam strength and provides a better barrier from particulates than simple serged seams.

CleanMax[™] Physical Properties

Physical Property	Test Method	Units	Results
Basis Weight	ASTM D3776	oz/y ²	1.55 oz/y ²
Grab Tensile MD	ASTM D5034	lbs.	22.0 lbs.
Grab Tensile XD	ASTM D5034	lbs.	14.0 lbs.
Trapezoidal Tear MD	ASTM D1117	lbs.	9.0 lbs.
Trapezoidal Tear CD	ASTM D1117	lbs.	5.8 lbs.
Ball Burst	ASTM D3787	lbs.	19.0 lbs.
Air Permeability	ASTM D737	cfm	<0.562 cfm/ft ²
Water Vapor Transmission	ASTM 96-80	g/m ² -24hrs	663.38
Bacterial Filtration Efficiency	ASTM F2101	%	99.999%
Particle Filtration Efficiency	ASTM F2299	%	99.999%

Both CleanMax[®] Clean Manufactured and CleanMax[®] Sterile meet IEST-RP-C003 Category I particulate cleanliness standards and are ready for immediate use in ISO Class 4 – 8 Cleanrooms

Lakeland® Industries has spent over 30 years being an industry leader protecting people in the workplace and now we've extended our expertise to protect both your people and your cleanroom and/or controlled environment. CleanMax® is a high-quality microporous laminate material that is lightweight and breathable but is impervious to liquids, harsh chemicals and microorganisms.

Both CleanMax® Clean Manufactured and CleanMax® Sterile meet IEST-RP-C003 Category I particulate cleanliness standards and are ready for immediate use in ISO Class 4 – 8 Cleanrooms. All sterile garments are gamma radiation sterilized to a level of 10⁻⁶ SAL (Sterility Assurance Level). These garments provide excellent

comfort as well as protection, so you can easily don and doff your garments to reduce excursions and risk of contamination.



Clean Sterile Garments and Packaging

CleanMax™ Clean Sterile garments are sterile to a sterility assurance level of 10⁻⁶ SAL, and are compatible with ISO Class 4-8 Cleanrooms and all Controlled Environments

Does Your Cleanroom Apparel Meet Current IEST Standards?

Read our whitepaper and find out...



lakeland.com/us/cleanroom-whitepaper



CleanMax® Configurations



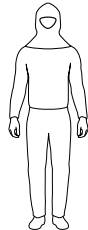
CTL191



CTL417



CTL428



CTL713



CTL903



CTL850

Clean Manufactured Garments

Frock – CTL191CM

- Mandarin collar
- Zipper closure
- No pockets
- Tunneled elastic wrists with thumb loops
- Sizes: M – 5X
- Case Pack: 30

Coverall – CTL417CM

- Zipper closure
- Tunneled elastic on wrists (with thumb loops), ankles, and back half of waist
- Sizes: M – 5X
- Case Pack: 25

Coverall – CTL428CM

- Zipper closure
- Attached hood
- Tunneled elastic on wrists (with thumb loops), ankles, and back half of waist
- Sizes: M – 5X
- Case Pack: 25

Hood – CTL713CM

- Covers shoulders
- One size
- Ties to customize fit
- Case Pack: 100

Boot Cover – CTL903CMP

- Tunneled elastic top
- 19" high
- Non-skid Vinyl sole
- Sizes: S/M, L/XL, 2X
- Case Pack: 50 pair

Sleeve CTL850CMP-18

- Bound seams
- Tunneled elastic
- Thumb loops
- Size: 18" length
- Case Pack: 50 pair

Clean Sterile Garments



Clean Sterile

- Certificate of Radiation included
- Gamma radiation indicator dots on each package
- IPA resistant ink

Coverall – CTL417CS

- Zipper closure
- Tunneled elastic on wrists (with thumb loops), ankles, and back half of waist
- Sizes: M – 5X
- Case Pack: 25

Coverall – CTL428CS

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- Attached hood
- Tunneled elastic on wrists (with thumb loops), ankles, and back half of waist
- Sizes: M – 5X
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