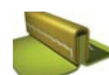


CleanMAX™



Available in Clean Manufactured or Clean Sterile configurations

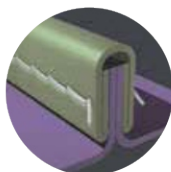
Lakeland® Industries has spent over 40 years being an industry leader protecting people in the workplace and now we've extended our expertise to protect both your people and your cleanroom and/or controlled environment. CleanMax® is a high-quality microporous laminate material that is lightweight and 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.

FEATURES

- 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 double-bagged to allow zonal donning.

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.



CE Testing

CleanMax® Physical Properties

Physical Property	Test Method	Class and results
Fabric Weight: 63gsm		
Abrasion Resistance	EN 530 method 2	2
Flex Cracking Resistance	ISO 7854 method B	4*
Tensile Strength (MD/CD)	EN ISO 13934-1:1999	2/1
Trapezoidal Tear (MD/CD)	EN ISO 9073-4:1997	3/2
Puncture Resistance	EN863:1995	1
Seam Strength	EN ISO 13935-2:1999	3
Anti-Static	EN1149-3:2006/EN1149-5:2008	Pass
Bacterial Filtration Efficiency	%	99.9%
Particle Filtration Efficiency	%	99.6%

* Flex Cracking: Sterilized garments achieve Class 5

CleanMax® Resistance to Blood, Body Fluids and Chemotherapy Drugs

Physical Property	Test Method	Test Results
Synthetic Blood Penetration	ASTM F 1670*	Pass
Viral Penetration Resistance	ASTM F 1671**	Pass
Resistance to Penetration by Blood and Bodily Fluids using Synthetic Blood	ISO 16603	Pass –no strikethrough at 20kPa
Resistance to Penetration by Blood Borne Pathogens	ISO 16604	Class 6 of 6
Resistance to Biologically Contaminated Aerosols	ISO 22611	Class 3 of 3
Resistance to Dry Microbial Contact	ISO 22612	Class 3 of 3
Resistance to Wet Bacterial Penetration	EN 14126 Annex A / ISO 22610	Class 6 of 6
Resistance to Permeation of Chemotherapy Drugs	ASTM D6978	Pass***

* ASTM 1670 and ISO 16603 are screening tests. We include them here purely for comparison purposes.

**ISO 16604 and ASTM F 1671 are the correct tests to measure resistance against blood borne pathogens and contaminated liquids.

***Tested drugs include Cisplatin, Cyclophosphamide, Cyclosporin A, Doxorubicin Hydrochloride, Etoposide (Toposar), Flouxouracil, Methotrexate, Mitomycin C, Paclitaxel.