

# ChemMax® 1

Serged Seams



Dry Particulate



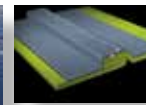
Bound Seams



Light Liquid Protection



Heat Sealed Seams



Liquid Splash/Chemical Barrier



## Entry Level Chemical Protective Garment.

You've come to expect quality from Lakeland Industries. We've utilized our vast knowledge in the industry to develop a superior product in ChemMax® 1. Offering quality along with durability, this cost-effective entry level product will please distributors, safety engineers and plant purchasing managers. Whether you are in manufacturing, environmental clean up or chemical handling, you can trust the ChemMax® family of products to protect your workers from harm.

ChemMax® is constructed with a unique polyethylene barrier film and a continuous filament polypropylene nonwoven. ChemMax®1 garments bar many harmful contaminants from penetrating to inner clothing. Available with serged, bound and sealed seams for scalability, ChemMax® fits the Lakeland standard at a price you can afford.

## ChemMax® 1 Physical Properties

Property	Test Method	Units	ChemMax® 1
Basis Weight	ASTM D3776	oz/sy	2.29
Grab Tensile MD	ASTM D5034	pounds	35
Grab Tensile XD		pounds	27
Trapezoidal Tear MD	ASTM D5733	pounds	13.8
Trapezoidal Tear XD		pounds	14.2
Ball Burst	ASTM D751	pounds	25.5

## Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (ASTM F1001)

Challenge Chemical	CAS Number	Physical State	ChemMax® 1
Acetone	67-64-1	Liquid	imm.
Acetonitrile	75-05-8	Liquid	imm.
Ammonia Gas	7664-41-7	Gas	imm.
1,3-Butadiene Gas	106-99-0	Gas	imm.
Carbon Disulfide	75-15-0	Liquid	imm.
Chlorine Gas	7782-50-5	Gas	imm.
Dichloromethane	75-09-2	Liquid	imm.
Diethylamine	109-89-7	Liquid	imm.
Dimethyl Formamide	68-12-2	Gas	40 minutes
Ethyl Acetate	141-78-6	Liquid	imm.
Ethylene Oxide Gas	75-21-8	Gas	imm.
n-Hexane	110-54-3	Liquid	imm.
Hydrogen Chloride Gas	7647-01-0	Gas	imm.
Methanol	67-56-1	Liquid	imm.
Methyl Chloride Gas	74-87-3	Gas	imm.
Nitrobenzene	98-95-3	Liquid	45 minutes
Sodium Hydroxide, 50%	1310-73-2	Liquid	>480
Sulfuric Acid, 98%	7664-93-9	Liquid	>480
Tetrachloroethylene	127-18-4	Liquid	imm.
Tetrahydrofuran	109-99-9	Liquid	imm.
Toluene	108-88-3	Liquid	imm.

ND = None Detected

> = greater than

L = liquid

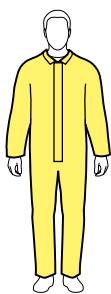
G = gas

Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

### Warnings:

1. ChemMax® 1 is not flame resistant and should not be used around heat, flame sparks, or in potentially flammable or explosive environments.
2. Garments made of ChemMax® 1 should have slip resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

**Note:** Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.



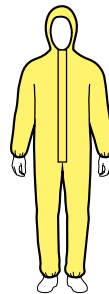
**C5412 Serged Seam**  
**C55412 Bound Seam**  
Coverall, zipper with storm flap.  
Sizes: S – 5XL  
Case Pack: 25



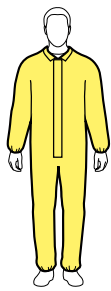
**C5414 Serged Seam**  
**C55414 Bound Seam**  
Coverall, zipper with storm flap, attached hood, boots, elastic wrists.  
Sizes: S – 5XL  
Case Pack: 25



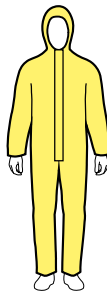
**C5417 Serged Seam**  
**C55417 Bound Seam**  
Coverall, zipper with storm flap, elastic wrists and ankles.  
Sizes: S – 5XL  
Case Pack: 25



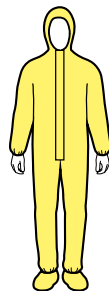
**C5428 Serged Seam**  
**C55428 Bound Seam**  
Coverall, zipper with storm flap, attached hood, elastic wrists and ankles.  
Sizes: S – 5XL  
Case Pack: 25



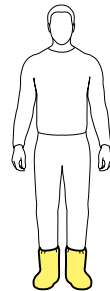
**C70110 Sealed Seam**  
Coverall, collar, elastic wrists and ankles, storm flap over zipper.  
Sizes: S – 5XL  
Case Pack: 6



**C70130 Sealed Seam**  
Coverall, hood, elastic face, wrists and ankles, storm flap over zipper.  
Sizes: S – 5XL  
Case Pack: 6



**C70150 Sealed Seam**  
Coverall, hood, elastic face, wrists, attached boots, storm flap over zipper.  
Sizes: S – 5XL  
Case Pack: 6



**C5903 Serged Seam**  
**Boot Cover**  
Elastic top, 17" high.  
Sizes: S/M, LG/XL, 2X  
Case Pack: 200 pair