

CHEMMAX[®] 3

Advanced Chemical Protection for Industry,
Emergency Response and Law Enforcement

ChemMax[®] 3 Applications

- Toxic Industrial Chemicals
- Chemical Warfare Agents
- Fentanyl Protection



Heat Sealed
Seam



ChemMax[®] 3 uses the latest technology to produce a superior chemical protective product. Durable and lightweight, ChemMax[®] 3 provides a barrier against a broad spectrum of toxic industrial chemicals, dual-use chemicals, chemical warfare agents and other harmful contaminants.

The multi-layer film is applied to a heavy polypropylene non-woven for increased strength and durability. The barrier film is significantly softer than other products on the market, resulting in a quiet, more comfortable garment.

ChemMax[®] 3 Coveralls



Coverall C3T110

- Sealed Seam**
- Collar
- Storm flap over zipper.
- Elastic wrists
- Elastic ankles
- Sizes: S – 5XL
- Case Pack: 6



Coverall C3T132

- Sealed Seam**
- Respirator-fit hood
- Zipper with storm flap
- Elastic face
- Elastic wrists
- Elastic ankles
- Sizes: S – 5XL
- Case Pack: 6



Coverall C3T151

- Respirator-fit hood
- Storm flap over zipper
- Elastic face
- Elastic wrists
- Attached boots
- Sizes: S – 5XL
- Case Pack: 6



Coverall C3T165

- Attached respirator-fit hood
- Double storm flap over zipper
- Hook and loop closure
- Elastic face and wrists
- Attached boots with boot flaps
- Sizes: S – 5XL
- Case Pack: 6



Coverall C3T166

- Respirator fit hood
- Double storm flap over zipper
- Elastic wrists and ankles
- Velcro[®] closure over zipper
- Sizes: S – 5XL
- Case Pack: 6



**IDEAL FOR
LAW ENFORCEMENT**



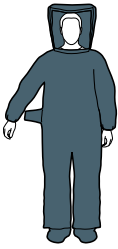
ChemMax® 3 Brand Features

Excellent chemical barrier

Chemical warfare agent tested

Fabric is lighter weight and more flexible than all major competitors

ChemMax® 3 Configurations



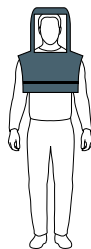
Encapsulated Suit C3T400

- Rear entry/Flat back
 - 48" zipper/Storm flap
 - 20 mil Vinyl face shield
 - Elastic wrists
 - 1 exhaust port/shroud
 - Air tube inlet
 - Attached sock boots with boot flap
 - Suit is not gas/vapor tight
- Sizes: S – 5XL
Case Pack: 1



Encapsulated Suit C3T450 – Level B

- Rear entry
 - Expanded back
 - 48" zipper
 - Double storm flap
 - 20 mil Vinyl face shield
 - Elastic wrists
 - 2 exhaust ports/shroud
 - Attached sock boots with boot flap
 - Suit is not gas/vapor tight
- Sizes: S – 5XL
Case Pack: 1



Hood Long Bib Style C3T716

- Long Bib Style
 - 20 mil Vinyl lens
 - 1" hook and loop side straps
- Case Pack: 250



Jacket C3T250

- Collar
 - Elastic wrists
 - Double storm flap
 - Hook and loop closure
- Sizes: S - 5XL
Case Pack: 6



Pant C3T320

- Elastic waist
 - Elastic ankles
- Sizes: M-4X
Case Pack: 6



Boot Covers C3T740P

- Elastic top
 - 17" high
- Sizes: One size
Case Pack: 12 pair

ChemMax® 3 Physical Properties

| Property | Test Method | Units | Test Results |
|---------------------|-------------|------------|--------------|
| Basis Weight | ASTM D3776 | oz./sq. yd | 4.5 |
| Grab Tensile MD | ASTM D5034 | pounds | 58.7 |
| Grab Tensile XD | | pounds | 42.2 |
| Trapezoidal Tear MD | ASTM D5733 | pounds | 25.6 |
| Trapezoidal Tear XD | | pounds | 19.8 |
| Ball Burst | ASTM D751 | pounds | 54.5 |
| Surface Resistance | EN1149 | Ω | Pass |

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

| Challenge Chemical | CAS Number | Physical State | Normalized Breakthrough |
|-----------------------|------------|----------------|-------------------------|
| Acetone | 67-64-1 | Liquid | >480 |
| Acetonitrile | 75-05-8 | Liquid | 160 |
| Ammonia Gas | 7664-41-7 | Gas | >480 |
| 1,3-Butadiene Gas | 106-99-0 | Gas | >480 |
| Carbon Disulfide | 75-15-0 | Liquid | 178 |
| Chlorine Gas | 7782-50-5 | Gas | >480 |
| Dichloromethane | 75-09-2 | Liquid | >480 |
| Diethylamine | 109-89-7 | Liquid | imm. |
| Dimethyl Formamide | 68-12-2 | Gas | >480 |
| Ethyl Acetate | 141-78-6 | Liquid | >480 |
| Ethylene Oxide Gas | 75-21-8 | Gas | >480 |
| n-Hexane | 110-54-3 | Liquid | >480 |
| Hydrogen Chloride Gas | 7647-01-0 | Gas | >480 |
| Methanol | 67-56-1 | Liquid | 180 |
| Methyl Chloride Gas | 74-87-3 | Gas | >480. |
| Nitrobenzene | 98-95-3 | Liquid | 45 |
| Sodium Hydroxide, 50% | 1310-73-2 | Liquid | >480 |
| Sulfuric Acid, 98% | 7664-93-9 | Liquid | >480 |
| Tetrachloroethylene | 127-18-4 | Liquid | >480 |
| Tetrahydrofuran | 109-99-9 | Liquid | 320 |
| Toluene | 108-88-3 | Liquid | >480 |

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® 3 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® 3 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.

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