

LANTEX™ 300

NFPA 1994 Class 3 Certified CBRN Protection

Introducing Lantex™ 300 from Kappler, the first lightweight, breathable garment with broad chemical holdout. Certified to NFPA 1994 Class 3 for CBRN protection (Chemical, Biological, Radiological, Nuclear), Lantex 300 provides high-level chemical protection in a noticeably lightweight fabric.

While a comfortable fabric certified to 1994 Class 3 requirements is a huge technological advance in itself, Lantex 300 protection actually goes well beyond the 1994 Class 3 requirements. Even with its breathability, Lantex 300 has been proven against additional chemicals and higher-challenge testing. Complete test data is available from Kappler Customer Service.

The Lantex 300 garment is specifically designed for CBRN response situations. The suit color is a low-visibility neutral gray, and the design includes a dual-glove system with a 14 mil Guardian Butyl outer glove and Ansell Barrier liner. A double storm flap with hook-and-loop closure protects a unique reverse-pull, splash-resistant closure system. The suit is certified when worn with Scott AV3000 SureSeal and MSA Millennium respirators, and with Tingley HazProof® and OnGuard HazMax® boots.

As a significant additional benefit, Kappler's proprietary patent-pending material means Lantex 300 offers superior protection at a price point well below other 1994 Class 3 garments. Lantex 300 - the certified solution to more comfortable, more affordable CBRN protection.

STYLE DESCRIPTION

› NFPA 1994 Class 3 Certified design includes full-coverage suit with rubber gasket around face opening, attached dual glove system, attached sock boots, and a unique reverse-pull diagonal zipper for easy donning and doffing with a double storm flap with hook-and-loop closure. The garment is certified when worn with two separate respirators and two separate boots as described above.



ChemScan™ labels – another Kappler innovation

Just scan the label with your mobile phone's QR reader for immediate access to a complete list of chemicals tested against your garment's protective fabric. Quick, accurate and only from Kappler – another industry first.



Rubber gasket provides liquid barrier around respirator (certified with Scott AV3000 and MSA Millennium).



Easy access reverse-pull urethane coated zipper with double storm flap, hook-and-loop closure.



Attached double glove system includes Guardian butyl outer glove, with Ansell Barrier liner.

ASTM F739 Chemical Test Battery

Chemical	Breakthrough Time (normalized)
Aniline	>480
Chlorobenzene	>480
Chloroform	11
Cumene	>480
Kerosene Distillate	>480
Methyl Styrene	>480
Naptha	>480
Nitrobenzene	>480
Phenol/Water 50%	6
Potassium Hydroxide	>480
Reformate Naptha	>480
Sodium Hydroxide	>480
Sodium Hypochlorite	>480
Sulfuric Acid	115
Toluene diisocyanate	>480

For complete list of chemicals tested, visit kappler.com

NFPA 1994 Class 3 Chemical Data

Chemical	Concentration	Breakthrough Time (normalized)
Acrolein	350 ppm	>60
Acrylonitrile	350 ppm	>60
Ammonia	350 ppm	>60
Chlorine	350 ppm	>60
Dimethyl Sulfate	10 g/m ²	>60
Distilled Mustard HD	10 g/m ²	>60
Somain GB	10 g/m ²	>60

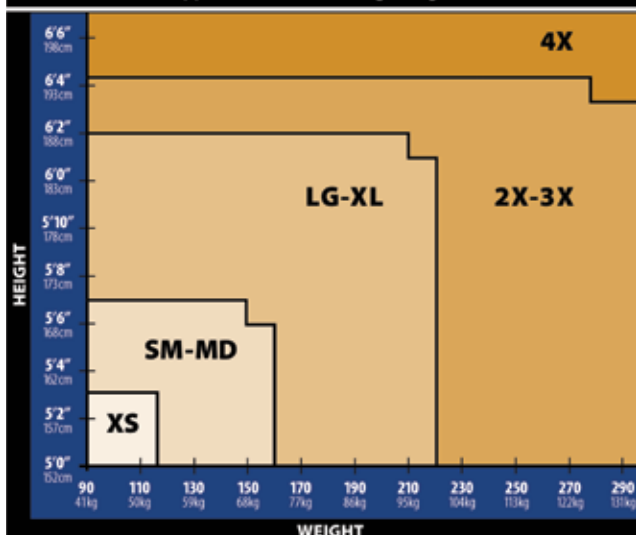
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Typical Physical Properties Measured per ASTM D751

Test Method	Results - lbs/N
Grab Tensile Strength MD*	65 / 288
Grab Tensile Strength CD*	81 / 354
Tear Resistance Trapezoid Method MD*	10.5 / 46.6
Tear Resistance Trapezoid Method CD*	8 / 35
Ball Burst	54 / 236
Puncture Propagation Tear MD	6.4 / 28.2
Puncture Propagation Tear CD	9.5 / 41.8

*MD: Machine Direction *CD: Cross Direction

Kappler Protective Clothing Sizing Chart



Note: Sources for all chemical test data are independent laboratories. All tests were performed under laboratory conditions and not under actual use conditions. Tests were performed on material samples not actual garments. All chemicals tested at 95% and 75° F except Sodium Hydroxide, tested at 50%.

Warning: There are uses, environments and chemicals for which these fabrics are unsuitable.

It is the responsibility of the user to review available data and verify that the fabric is appropriate for the intended use and meets all specified government and industry standards.