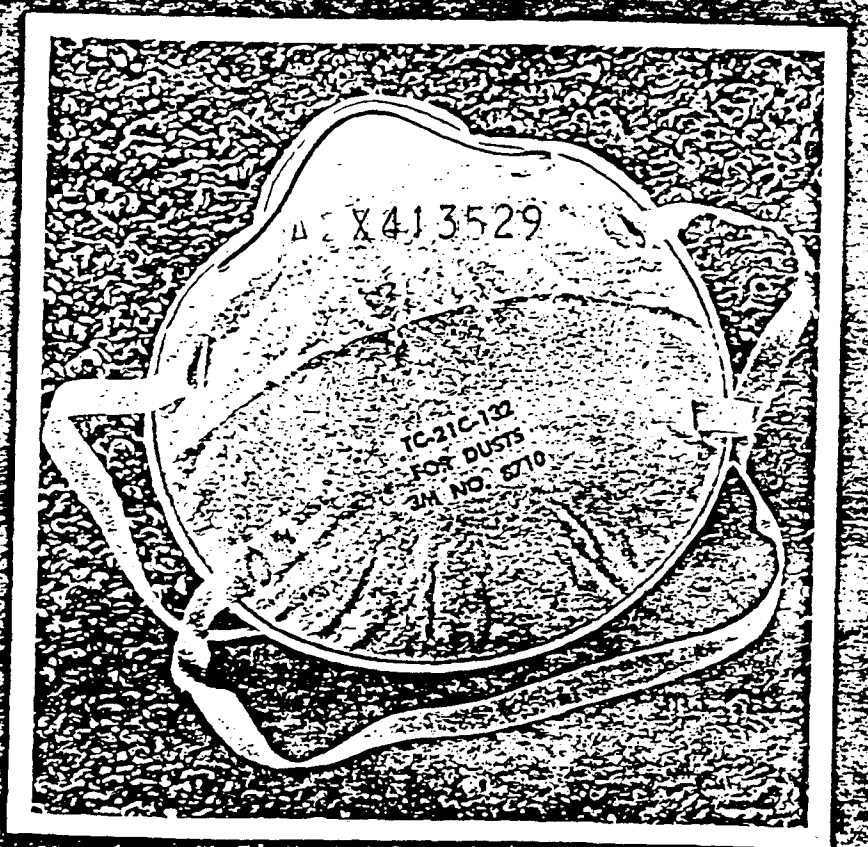
PLAINTIFF'S EXHIBIT

UC-4162

The nose can't do it alone.



Published by AsbestosClaims.Law
asbestosclaims.law/library/18763/1

3M Brand R



The nose needs help.

It's not efficient enough to filter out everything harmful to a worker's lungs. Things like pneumoconiosis and fibrosis producing dusts.

The 3M Brand Respirator 8710 *is* efficient enough.

It's the newest respirator idea in years. Read for yourself:

It's inexpensive and disposable.

The 8710 is completely disposable. No filters to clean. No sanitation problems. No storage space needed.

It costs 55¢ each in lots of a hundred or more. That's one-third the cost of the 8710's nearest competitor.

It's Bureau of Mines approved.

The 8710 is approved by the Bureau of Mines. It's 99% efficient against dusts with a mean particle diameter of .4 to .6 microns.

It weighs hardly anything.

Workers will wear this mask. It weighs ¼ oz. or about the same as an average cigar.

That's 1/7th the weight of its nearest competitor.

A20316

X413530

PLAINTIFF'S EXHIBIT

UC-576

Published by AsbestosClaims.Law
asbestosclaims.law/library/18763/2

spirator 8710



It makes breathing and speaking easy.

The 8710 is light-weight. It's easy to breathe through. Workers won't get tired quickly. And they can speak in normal tones.

It has the least vision restriction.

There are no protrusions on the 8710. So it restricts vision less than any respirator in its class.—

Uses.

Asbestos
Asbestos mining
Asbestos processing
Insulation contractors

Textiles
Processing
Fabrication
Handling

Silica
Quarrying
Around sandblasting areas
Mining

Coal
Mining
Processing

*Certificate of Approval TC-21C-132 has been granted by the U.S. Bureau of Mines and National Institute for Occupational Safety and Health to the 3M No. 8710 single use air purifying respirator for respiratory protection against pneumoconiosis and fibrosis producing dusts, including but not limited to aluminum, asbestos, coal, flour, iron ore or free silica.

420317

X413531

Published by AsbestosClaims.Law
asbestosclaims.law/library/18763/3

Performance Facts

Quick Technical Facts

Efficiency — Meets the requirements of Title 30, Code of Federal Regulations, Part 11. Thus, it meets a minimum requirement of 99% efficiency against Silica Dust with a mean particle size of 0.4-0.6 Microns. The following chart compares the new 21C requirements with the former 21B requirements.

	21B	21C
Silica dust mean particle size	0.4-0.6 Microns	0.4-0.6 Microns
Test duration, minutes	90	90
Dust concentration, mg/m³	50-60	50-60
Air Flow rate, liters per minute	32 (inhalation only)	40 (inhalation and exhalation — 0 to 100 lpm)
Breathing Machine Cycle	N/A	24 cycles/Min.
Exhalation Air Temperature°	N/A	95 ± 3
Exhalation Air RH, %	N/A	94 ± 3
Allowable Penetration, mg	4.5/3 respirators Max 2.0/respirator	1.8/respirator
Maximum Breathing Resistance		
Initial Inhalation, mmH_2O	30	12
Final Inhalation, mmH_2O	50	15
Exhalation	20	15

FIT: Meets current 21C Requirements as shown below.

	21B	21C
Coal dust mean particle size	1.2 Microns	1.2 Microns
Concentration, mg/m³	75 ± 25	100 +
Test Duration, Min.	30	15
Test Procedure	2 Repetitions	1 Repetition

NOTE: Person(s) Wearing Respirator Carries Out Following Routine During Test Procedure:

3 Minutes — Walking, Turning and Nodding Head
1.5 Minutes — Smiling
1.5 Minutes — Frowning
3 Minutes — Reciting Alphabet
3 Minutes — Talking
3 Minutes — Shallow and Deep Breathing

Number Tested	6	3
Acceptance criteria	Quantitative — 10% leakage permitted	Qualitative — No coal dust visible on facial area under respirator

Weight: lightest by far of all approved respirators

Respirator	Approval #	Weight, gms
"3M" #8710	TC-21C-132	6
MSA "Dustfoe" 66	BM-21B-113	95
MSA "Dustfoe" 77	BM-21B-97	130
Welsh 7506	BM-21B-79	150
Welsh 7165	BM-21B-129	55
AO "Dust Demon"	BM-21B-107	45
Safeline #5340	BM-21B-108	45

Vision: Respirators were fitted to test subjects, heads were held straight, and subjects were asked to point out all areas of a numbered grid on the floor which were not obscured from view. Results are shown below and specific respirator identification will be provided upon request. Units indicate distance in feet which was obscured from view.

Respirator	Angle from center line			
	0° (Straight ahead)	30°	60°	90°
None	2.0	2.0	2.5	3.5
"3M" #8710	3.0	2.5	3.0	3.5
Competitor A	5.5	3.5	3.5	4.0
Competitor B	6.0	4.5	4.0	4.0
Competitor C	3.5	5.0	4.0	3.5
Competitor D	4.0	3.5	3.5	3.5
Competitor E	8.0	4.5	4.0	4.0
Competitor F	4.0	4.0	3.5	3.5

Flammability: The #8710 has been tested for flammability using several tests. The current test specified under the Flammable Fabrics Act is NBS Commercial Standard 191-53. This test is identical to ASTM D-1230-61 and to AATCC 33. Using this method, the #8710 does not ignite. Under the test described in NFPA Bulletin 702, the 8710 has an average burn time of 18 seconds which puts it right at the Class 1/Class 2 dividing line.

For information about our other disposable respirators and masks, including the popular #8500, write: Occupational Health & Safety Products, 3M Company, 3M Center, Bldg. 517-110, St. Paul, Minnesota 55101.

Occupational Health & Safety Products

3M COMPANY

A20318

X413532

LITHO IN U.S.A. WITH 3M BRAND PHOTO OFFSET PLATES

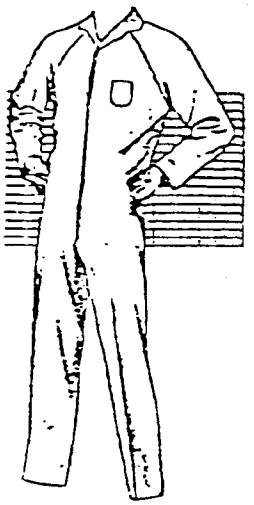
81-8F87 (3315) H

Published by AsbestosClaims.Law
asbestosclaims.law/library/18763/4

DISPOSABLE GARMENTS MADE OF TYVEK

By Laminaire

The highest quality workmanship available!



DISCARD OLD DEFINITIONS BEFORE EXAMINING TYVEK

"Tyvek" spunbonded olefin is a DuPont sheet product made from continuous filament high density polyethylene fibers. It is neither a fiber, fabric, or paper, but combines some of the best qualities of each. The tough, durable material is formed by the random distribution of very fine continuous polyethylene fibers and is ideally suited for environmental protection.

LINT THROW-OFF LIMITED

Since fibers are bonded with heat and pressure, there are no binders or adhesives to flake off. If airborne lint is a concern in your operations, the new protection approach offers help. Tests indicate that garments of "Tyvek" do not generate lint but particles under normal use. This helps keep your air clean.

Garments of "Tyvek" are ideal for one or lab, paint application departments, pharmaceutical production areas, or other locations where protection air is essential. They provide the clean barrier to environmental pollutant needs.... and they are fresh when donned unlike clean garments like the reusables.

THE SOURCE OF STRENGTH IS TYVEK

There is no need to pamper this disposable. It will take abuse because it is normally seamless, puncture and snag-proof. DuPont has created this tough and durable product from polyethylene fibers spun-laid in a continuous fiber pattern that is self-bonded. Garments of "Tyvek" defy damage under normal use.

"Tyvek" is the superior disposable garment that outclasses all the disposables. Whatever garment you presently depend on, "Tyvek" will offer a new standard for practicality and economy.

PROPERTIES OF TYVEK MATERIAL

"Tyvek" passes requirements of the Federal Flammable Fabrics Act and is rated class 1, low flammability, under NFPA test method 701 for wearing apparel. It is also resistant to aqueous corrosive agents. An important characteristic of "Tyvek" is that it has a high filtration efficiency which offers a barrier for body particles from contaminating the work area or a barrier for worker protection.



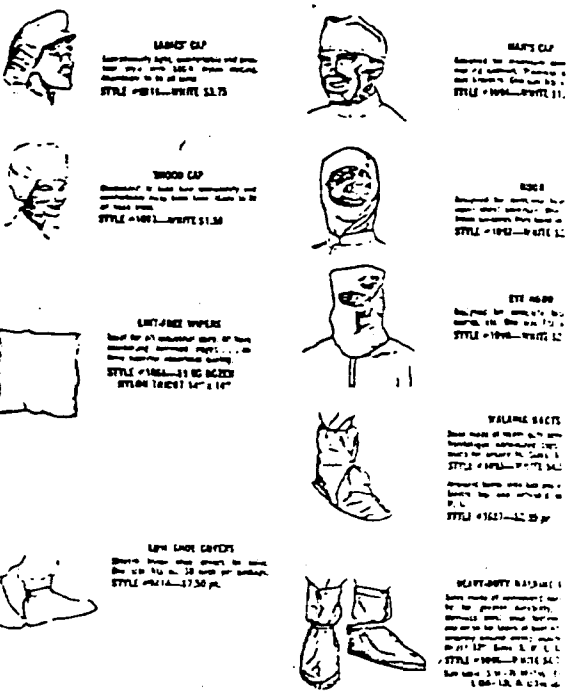


AVAILABLE CLEAN ROOM CLEANED!

LAMINAIRE Corporation • 1972 Randolph Avenue • Rahway, New Jersey 07065 • (201) 381-4200

CLEAN ROOM FABRIC GARME
ACCESSORIES by FASHION SE

From Laminaire

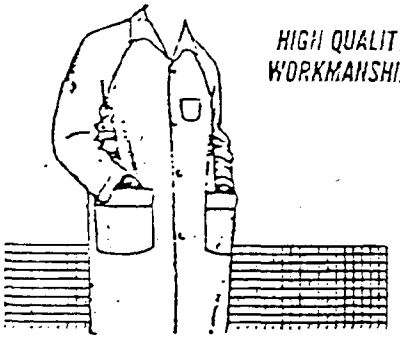


LAMINAIRE Corporation • 1972 Randolph Avenue • Rahway, New Jersey 07065 • (201) 381

DISPOSABLE GARMENTS MADE OF TYVEK

By Laminaire

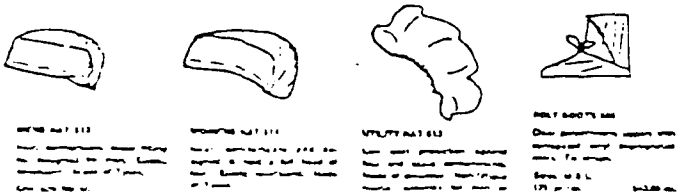
HIGH QUALITY WORKMANSHIP!





GARMENT PROBLEMS DISCARDED, NEVER ACCUMULATED

GARMENTS OF TYVEK® RESIST CHEMICALS



CERTIFIED CLEAN-ROOM APPAREL!

From Laminaire



A 20 3 9

X49 3533

Published by AsbestosClaims.Law
asbestosclaims.law/library/18763/6