



innovative protective solutions

VR[®] PROTECTIVE WEAR
POLYWEAR[®] DISPOSABLE GOWNS
POLYWOG[™] WIPES

COMPLETE PRODUCT CATALOG

Our History

In the 1960's, the pioneering Smith family began manufacturing one-of-a kind plastic reusable and disposable film solutions designed to protect people in the most challenging industrial and controlled environments. Today the family business—known as PolyCo—forges ahead with new technologies unlike any on the market to date.

Our Mission

Our mission is to provide customers with innovative products and methods that offer the greatest value, quality and service, and to do so with professional integrity and an uncompromising commitment to continuous improvement. PolyCo accepts the challenge of this mission and of future commitments to excellence knowing that achievement will contribute to the growth and success of our customers, employees, company and to the communities which we serve.

Our Vision

With our mission in mind, PolyCo continues to pioneer with innovative solutions and new Protective Wear that can contend with the challenges presented in the diversity of environments in today's world. In this catalog, new products that are being introduced for the first time include the VR® Jumpsuit, the VR® Thigh-High Boots, along with the VR® Heavy Duty Adjustable Strap and Grommet Aprons. In addition, both VR® and PolyWear® Gowns are now offered in a wider choice of colors than ever before. All of these innovative solutions are in response to certain applications with specific needs.

Our Guarantee

Your total satisfaction. In addition, our products are:

- Recyclable
- No polyvinyl chloride materials
- No Latex
- Made in the USA



What is VR®?

In an effort to meet growing customer needs for a better and safer protective solution, PolyCo teamed up with film chemistry and engineering experts to replace PVC (polyvinyl chloride, or vinyl) and other limited-use protective wear. This extensive, collaborative research produced a material combining new age plastic resins with modern extrusion techniques. The result: exceptional quality, cost effectiveness, and superior comfort and safety. VR® is a trademark of and proprietary film product manufactured exclusively by PolyCo.

VR® Advantages

VR® Quality Performance

- Superior tensile strength, puncture resistance and elongation
- Excellent resistance to fats, oils and a broad range of chemicals
- Crack and tear resistant in cold work environments

VR® Exceptional Cost Savings

- Longer wearing. 4–6 times the average life of vinyl
- Disposal costs up to 50% less
- Greater recycling cost benefits

VR® Superior Comfort & Safety

- Better comfort, lighter weight
- Odorless and non-toxic
- Approved for direct food contact
- Flexible design and coverage options
- Easily recycled, safely land-filled or incinerated

Why choose VR®?

All VR® easy-to-clean, reusable products deliver superior cold-temperature resistance, puncture resistance and a more ergonomically comfortable design with its 30% lighter weight construction over vinyl of the same thickness. In fact, 6 mil thick VR® outperforms 8 mil vinyl and weighs up to 50% less. Bottom line, you save more and worry less with VR®. In compliance with the OSHA Bloodborne Pathogen Standards, Part 1910.1030, VR® disposable products provide Level D splash protection. When properly used under normal conditions, VR® does not permit toxic chemicals, blood or other potentially infectious materials to pass through to employees. Furthermore, the University of Illinois School of Chemical Sciences confirmed VR® chemical resistance and accidental exposure protection against industrial concentrations of hydrofluoric, hydrochloric, sulfuric, and nitric acids. VR® has 4–6 times longer wear life over vinyl. Vinyl products tend to tear and crack, however PolyCo VR® contains no plasticizers making it perfect for frequent use and repeated cleaning in oily and/or cold work environments.

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Manufactured in the U.S.A.



Available in a wide variety of sizes and lengths.

Available in blue, white, yellow or red.

2 comfortable weights and the option of extra long, all guaranteed to ensure a perfect fit.

Economical alternative for full frontal body protection.

Greater coverage for applications where the threat of biological or chemical contamination exists.

Thumb loop and elastic cuff design provides continuous protection between glove and sleeve.

Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available.

Alternate packaging options are available, including individual bagging.

Additional colors are available in minimum quantity orders. Contact your sales representative to request a quotation.

"We are now putting these VR Gowns on all of our production employee's due to the excellent chemical protection that these gowns offer"
~ International Electronic Device Manufacturer



VR® Elastic Cuff Gowns

Size	Stock No.	Material	Color	Case Pack	Case Wt.	
Regular 45" Length	42450	4 mil	● Blue	50 Bulk	19 lbs.	
	42452	4 mil	○ White	50 Bulk	19 lbs.	
	42454	4 mil	● Yellow	50 Bulk	19 lbs.	
	42451	6 mil	● Blue	50 Bulk	25 lbs.	
	42453	6 mil	○ White	50 Bulk	25 lbs.	
	42455	6 mil	● Yellow	50 Bulk	25 lbs.	
Regular X Long 55" Length	42480	4 mil	● Blue	50 Bulk	21 lbs.	
	42482	4 mil	○ White	50 Bulk	21 lbs.	
	42484	4 mil	● Yellow	50 Bulk	21 lbs.	
	42488	4 mil	● Red	50 Bulk	21 lbs.	
	42481	6 mil	● Blue	50 Bulk	27 lbs.	
	42483	6 mil	○ White	50 Bulk	27 lbs.	
	42485	6 mil	● Yellow	50 Bulk	27 lbs.	
	Large 50" Length	42550	4 mil	● Blue	50 Bulk	22 lbs.
		42552	4 mil	○ White	50 Bulk	22 lbs.
42554		4 mil	● Yellow	50 Bulk	22 lbs.	
	42551	6 mil	● Blue	50 Bulk	30 lbs.	
	42553	6 mil	○ White	50 Bulk	30 lbs.	
	42555	6 mil	● Yellow	50 Bulk	30 lbs.	
Large X Long 55" Length	42580	4 mil	● Blue	50 Bulk	22 lbs.	
	42582	4 mil	○ White	50 Bulk	22 lbs.	
	42584	4 mil	● Yellow	50 Bulk	22 lbs.	
	42588	4 mil	● Red	50 Bulk	22 lbs.	
	42581	6 mil	● Blue	50 Bulk	30 lbs.	
	42583	6 mil	○ White	50 Bulk	30 lbs.	
	42585	6 mil	● Yellow	50 Bulk	30 lbs.	
	X Large 50" Length	42650	4 mil	● Blue	50 Bulk	22 lbs.
42652		4 mil	○ White	50 Bulk	22 lbs.	
42654		4 mil	● Yellow	50 Bulk	22 lbs.	
	42651	6 mil	● Blue	50 Bulk	31 lbs.	
	42653	6 mil	○ White	50 Bulk	31 lbs.	
	42655	6 mil	● Yellow	50 Bulk	31 lbs.	
X Large X Long 55" Length	42680	4 mil	● Blue	50 Bulk	28 lbs.	
	42682	4 mil	○ White	50 Bulk	28 lbs.	
	42684	4 mil	● Yellow	50 Bulk	28 lbs.	
	42688	4 mil	● Red	50 Bulk	28 lbs.	
	42681	6 mil	● Blue	50 Bulk	37 lbs.	
	42683	6 mil	○ White	50 Bulk	37 lbs.	
	42685	6 mil	● Yellow	50 Bulk	37 lbs.	



VR® Thumb Loop Gowns

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Regular 45" Length	42400	4 mil	● Blue	50 bulk	18 lbs.
	42402	4 mil	○ White	50 bulk	18 lbs.
	42404	4 mil	● Yellow	50 bulk	18 lbs.
	42401	6 mil	● Blue	50 bulk	25 lbs.
	42403	6 mil	○ White	50 bulk	25 lbs.
	42405	6 mil	● Yellow	50 bulk	25 lbs.
Regular X Long 55" Length	42470	4 mil	● Blue	50 bulk	21 lbs.
	42472	4 mil	○ White	50 bulk	21 lbs.
	42474	4 mil	● Yellow	50 bulk	21 lbs.
	42471	6 mil	● Blue	50 bulk	27 lbs.
	42473	6 mil	○ White	50 bulk	27 lbs.
	42475	6 mil	● Yellow	50 bulk	27 lbs.
Large 50" Length	42500	4 mil	● Blue	50 bulk	21 lbs.
	42502	4 mil	○ White	50 bulk	21 lbs.
	42504	4 mil	● Yellow	50 bulk	21 lbs.
	42501	6 mil	● Blue	50 bulk	29 lbs.
	42503	6 mil	○ White	50 bulk	29 lbs.
	42505	6 mil	● Yellow	50 bulk	29 lbs.
Large X Long 55" Length	42570	4 mil	● Blue	50 bulk	22 lbs.
	42572	4 mil	○ White	50 bulk	22 lbs.
	42574	4 mil	● Yellow	50 bulk	22 lbs.
	42571	6 mil	● Blue	50 bulk	31 lbs.
	42573	6 mil	○ White	50 bulk	31 lbs.
	42575	6 mil	● Yellow	50 bulk	31 lbs.
X Large 55" Length	42600	4 mil	● Blue	50 bulk	27 lbs.
	42602	4 mil	○ White	50 bulk	27 lbs.
	42604	4 mil	● Yellow	50 bulk	27 lbs.
	42601	6 mil	● Blue	50 bulk	36 lbs.
	42603	6 mil	○ White	50 bulk	36 lbs.
	42605	6 mil	● Yellow	50 bulk	36 lbs.
XX Large 55" Length	42700	4 mil	● Blue	50 bulk	29 lbs.
	42702	4 mil	○ White	50 bulk	29 lbs.
	42704	4 mil	● Yellow	50 bulk	29 lbs.
	42701	6 mil	● Blue	50 bulk	37 lbs.
	42703	6 mil	○ White	50 bulk	37 lbs.
	42705	6 mil	● Yellow	50 bulk	37 lbs.

VR® Coverback Gowns



Gown design protects like a full coverage coat but with a ventilated back for added comfort.
 Economical alternative for full frontal body protection.
 Greater coverage for applications where the threat of biological or chemical contamination exists.
 Elastic Cuff provides continuous protection between glove and sleeve.
 Available in two sizes and two lengths for optimum fit.
 Available in blue, white, yellow or green.
 Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available.
 Alternate packaging options are available, including individual bagging.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Large 45" Length	42850	4 mil	● Blue	50 bulk	32 lbs.
	42852	4 mil	○ White	50 bulk	32 lbs.
	42851	6 mil	● Blue	50 bulk	40 lbs.
	42853	6 mil	○ White	50 bulk	40 lbs.
Large X Long 55" Length	42880	4 mil	● Blue	50 bulk	34 lbs.
	42882	4 mil	○ White	50 bulk	34 lbs.
	42884	4 mil	● Yellow	50 bulk	34 lbs.
	42886	4 mil	● Green	50 bulk	34 lbs.
X Large 45" Length	42950	4 mil	● Blue	50 bulk	35 lbs.
	42952	4 mil	○ White	50 bulk	35 lbs.
	42951	6 mil	● Blue	50 bulk	42 lbs.
	42953	6 mil	○ White	50 bulk	42 lbs.
X Large X Long 55" Length	42980	4 mil	● Blue	50 bulk	37 lbs.
	42982	4 mil	○ White	50 bulk	37 lbs.
	42984	4 mil	● Yellow	50 bulk	37 lbs.
	42986	4 mil	● Green	50 bulk	37 lbs.



Green available only in extra long.

VR® Trough Gowns

Specially designed for protection against harsh chemicals such as sulfuric acid.
 The catch trough in the hem at the bottom of the bib is designed to collect any rundown of fluids on the front of the gown into the seamless hem. The collected fluids are allowed to drain out at the corner drain holes on either side preventing frontal roll-off onto the feet and toes.
 The adjustable ties at the neck allow for a secure, close-around-the-neck fit providing the highest neckline possible.
 Elastic cuffs provide a secure fit at the wrists.
 Open back design allows for air circulation and venting.
 Available in 4 sizes (S, M, L & XL).
 Each Gown is individually bagged and packed in a poly bag lined case.

Alternate packaging options are available. Cleanroom-packaging (for critical environments) is also available.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Small 42" Length	43350	4 mil	● Blue	50 bulk	19 lbs.
Regular 45" Length	43450	4 mil	● Blue	50 bulk	19 lbs.
Large 50" Length	43550	4 mil	● Blue	50 bulk	21 lbs.
X Large 50" Length	43650	4 mil	● Blue	50 bulk	22 lbs.



Wrap-around hem on small & regular sizes



Partial wrap-around hem on large & extra-large sizes



High neckline tie for secure protection.

VR® Die-Cut Aprons

"VR® Aprons are a great, lightweight alternative for our employees. Don't have to worry about chemical splashes."

~ Midwest Healthcare Device Manufacturer



VR® Die-Cut Aprons

Economical and lightweight one-piece comfort construction.

Eliminates separate ties to avoid contamination problems.

Ideal for critical and controlled environments.

Available in blue, white, yellow or red.

3 lengths provide optimum protection for every application.

Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available.

Alternate packaging options are available, including individual bagging.

Size	Stock No.	Material	Color	Case Pack	Case Wt.	
35" x 45"	46400	4 mil	● Blue	100 bulk	18 lbs.	
	46402	4 mil	○ White	100 bulk	18 lbs.	
	46404	4 mil	● Yellow	100 bulk	18 lbs.	
	46401	6 mil	● Blue	100 bulk	26 lbs.	
	46403	6 mil	○ White	100 bulk	26 lbs.	
	46405	6 mil	● Yellow	100 bulk	26 lbs.	
	46420	8 mil	● Blue	50 bulk	16 lbs.	
	46422	8 mil	○ White	50 bulk	16 lbs.	
	46424	8 mil	● Yellow	50 bulk	16 lbs.	
35" x 55"	46500	4 mil	● Blue	100 bulk	23 lbs.	
	46502	4 mil	○ White	100 bulk	23 lbs.	
	46504	4 mil	● Yellow	100 bulk	23 lbs.	
	46501	6 mil	● Blue	100 bulk	30 lbs.	
	46503	6 mil	○ White	100 bulk	30 lbs.	
	46505	6 mil	● Yellow	100 bulk	30 lbs.	
	46509	6 mil	● Red	100 bulk	30 lbs.	
	46520	8 mil	● Blue	50 bulk	21 lbs.	
	46522	8 mil	○ White	50 bulk	21 lbs.	
	46524	8 mil	● Yellow	50 bulk	21 lbs.	
	35" x 65"	46600	4 mil	● Blue	100 bulk	27 lbs.
		46602	4 mil	○ White	100 bulk	27 lbs.
46604		4 mil	● Yellow	100 bulk	27 lbs.	
46601		6 mil	● Blue	100 bulk	35 lbs.	
46603		6 mil	○ White	100 bulk	35 lbs.	
46605		6 mil	● Yellow	100 bulk	35 lbs.	
46620		8 mil	● Blue	50 bulk	26 lbs.	
46622		8 mil	○ White	50 bulk	26 lbs.	
46624		8 mil	● Yellow	50 bulk	26 lbs.	
35" x 60" w/ Belly Patch		46124	8 mil	● Yellow	48 (4/12's)	16 lbs.





"PolyCo VR® Aprons hold up longer and protect me better than vinyl in our oily environment"
 ~ Southern Sheet Metal Fabricator

Constructed entirely of VR® material including the grommets for an environmentally safer, more durable product.

Ideal for critical and controlled environments.

Available in blue, white or yellow.

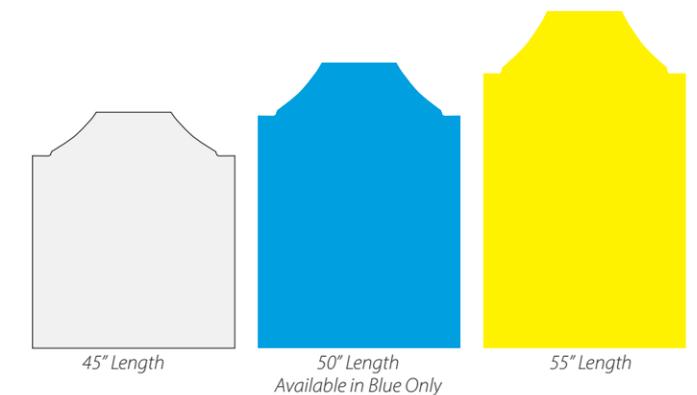
3 lengths provide optimum protection for every application.

Three 30" polyester ties included for each apron.

Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available.

Alternate packaging options are available, including individual bagging.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 45" with ties	45400	4 mil	● Blue	100 bulk	22 lbs.
	45402	4 mil	○ White	100 bulk	22 lbs.
	45404	4 mil	● Yellow	100 bulk	22 lbs.
35" x 50" with ties	45401	6 mil	● Blue	100 bulk	33 lbs.
	45403	6 mil	○ White	100 bulk	33 lbs.
	45405	6 mil	● Yellow	100 bulk	33 lbs.
35" x 55" with ties	45420	8 mil	● Blue	50 bulk	20 lbs.
	45422	8 mil	○ White	50 bulk	20 lbs.
	45424	8 mil	● Yellow	50 bulk	20 lbs.
35" x 45" with ties	45000	4 mil	● Blue	100 bulk	25 lbs.
	45001	6 mil	● Blue	100 bulk	36 lbs.
	45020	8 mil	● Blue	50 Bulk	23 lbs.
35" x 50" with ties	45500	4 mil	● Blue	100 bulk	28 lbs.
	45502	4 mil	○ White	100 bulk	28 lbs.
	45504	4 mil	● Yellow	100 bulk	28 lbs.
35" x 55" with ties	45501	6 mil	● Blue	100 bulk	37 lbs.
	45503	6 mil	○ White	100 bulk	37 lbs.
	45505	6 mil	● Yellow	100 bulk	37 lbs.
35" x 55" with ties	45520	8 mil	● Blue	50 bulk	26 lbs.
	45522	8 mil	○ White	50 bulk	26 lbs.
	45524	8 mil	● Yellow	50 bulk	26 lbs.
Polyester ties, 30"	89999	-	○ White	150/pack	1 lb.



VR® Die-Cut Grommet Aprons



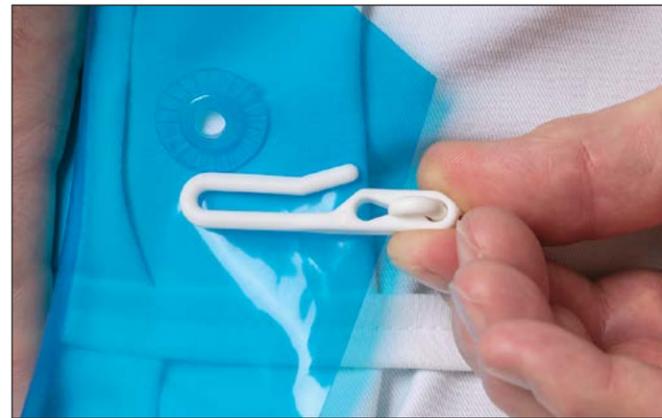
Die-Cut Grommet Aprons meet the challenges of safety and sanitation in personal protection.

Ergonomic die-cut design with reinforced grommets at the waist provides comfortable fit.

Popular hook & cord system is standard for easy donning and doffing. Also available with optional polyester ties.

Available in blue, white or yellow and in two different weights.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 55"	48520	8 mil	● Blue	60 (5 packs of 12)	25 lbs.
	48522	8 mil	○ White	60 (5 packs of 12)	25 lbs.
	48524	8 mil	● Yellow	60 (5 packs of 12)	25 lbs.
	48500	12 mil	● Blue	48 (4 packs of 12)	32 lbs.
	48502	12 mil	○ White	48 (4 packs of 12)	32 lbs.
	48504	12 mil	● Yellow	48 (4 packs of 12)	32 lbs.
20" Elastic Cord w/ Hook	89998	-	White	12/pkg.	1 lb.
Polyester ties, 30"	89999	-	White	150/Bundle	1 lb.



Standard elastic cord & hook system.



Optional polyester tie with reinforced grommet.

"VR®—what a great product for employee splash protection!"
~ Mid-Atlantic Paint Manufacturer

VR® HD Grommet Apron

Made of strong 12 mil VR® material.

Neck and waist ties allow for maximum adjustment.

Provided with standard 30" polyester ties.

Ultrasonically attached grommets are strong and durable.

Available with weighted bottom for applications where strong air flow exists.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 48"	45100	12 mil	● Blue	48 (4 packs of 12)	22 lbs.
35" x 48" Weighted Polyester ties, 30"	45200	12 mil	● Blue	24 (2 packs of 12)	31 lbs.
	89999	-	White	150/Bundle	1 lb.



Weighted bottom hemline available.

VR® HD Adjustable Strap Apron

Made of strong 12 mil VR® material.

Ergonomic, one-piece construction with easy-on/easy-off secure buckle for greater productivity.

Protection equal to 16-to-22 mil vinyl or other reinforced materials, but at a more comfortable, lighter weight.

Adjustable self-material neck strap.

Additional colors are available in minimum quantity orders. Contact your sales representative to request a quotation.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 48"	47500	12 mil	● Blue	24 individually bagged	16 lbs.



Adjustable neck strap for added comfort.

VR® Heavy Duty Aprons



VR® Sleeves

*"These VR® Sleeves performed better than anticipated within our biological application."
~ West Coast Tissue Bank*

Lightweight yet more durable than vinyl.
Ideal for flexibility and product longevity.
Strong, natural rubber elastic cuffs.
Easy-to-clean and reuse.
Textured inside surface minimizes cling and enhances ventilation static; smooth outside surface provides easier cleanup.
Available in blue, white and yellow (clear available by special order).
Two lengths and two widths deliver maximum protection and maximum productivity.
Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available.
Alternate packaging options are available, including individual bagging.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
18" Standard	41800	4 mil	● Blue	150 bulk (75 pair)	8 lbs.
	41802	4 mil	○ White	150 bulk (75 pair)	8 lbs.
	41804	4 mil	● Yellow	150 bulk (75 pair)	8 lbs.
	41801	6 mil	● Blue	150 bulk (75 pair)	12 lbs.
	41803	6 mil	○ White	150 bulk (75 pair)	12 lbs.
	41805	6 mil	● Yellow	150 bulk (75 pair)	12 lbs.
18" Extra Wide	41850	4 mil	● Blue	150 bulk (75 pair)	9 lbs.
	41852	4 mil	○ White	150 bulk (75 pair)	9 lbs.
	41854	4 mil	● Yellow	150 bulk (75 pair)	9 lbs.
	41851	6 mil	● Blue	150 bulk (75 pair)	14 lbs.
	41853	6 mil	○ White	150 bulk (75 pair)	14 lbs.
	41855	6 mil	● Yellow	150 bulk (75 pair)	14 lbs.
24" Shoulder Length	41900	4 mil	● Blue	150 bulk (75 pair)	10 lbs.



VR® Sleeve Gloves

Unique fusion of a nitrile glove and a VR® 4 mil protective sleeve.
Overall length of 28 inches provides complete durable hand and arm protection.
Comfortably flexible with high tactile sensitivity.
Elastic cuff allows for adjustable positioning on the upper arm.
Resistant to a broad range of hazardous chemicals.
Exceptional resistance to hydrofluoric, hydrochloric, sulfuric & nitric acids.
Naturally low particle count, surface resistivity and good static dissipation.
Meets or exceeds OSHA Level D chemical protective apparel requirements for splash protection.
Strong, durable, lightweight, ergonomic and latex-free.
Pairs are individually packed for quick and easy use.
50 Series: Unlined glove, 11 mil thickness.
70 Series: Lined glove, 11 mil thickness.
80 Series: Lined glove, 15 mil thickness.

Series	Size	Glove	Stock No.	Color	Case Pack	Case Wt.
50 Series	X Small	6	41250	Blue/Green	100 (50 pair, bagged)	9 lbs.
	Small	7	41350	Blue/Green	100 (50 pair, bagged)	10 lbs.
	Medium	8	41450	Blue/Green	100 (50 pair, bagged)	10 lbs.
	Large	9	41550	Blue/Green	100 (50 pair, bagged)	10 lbs.
	X Large	10	41650	Blue/Green	100 (50 pair, bagged)	11 lbs.
70 Series	X Small	6	41270	Blue/Blue	100 (50 pair, bagged)	10 lbs.
	Small	7	41370	Blue/Blue	100 (50 pair, bagged)	11 lbs.
	Medium	8	41470	Blue/Blue	100 (50 pair, bagged)	11 lbs.
	Large	9	41570	Blue/Blue	100 (50 pair, bagged)	12 lbs.
	X Large	10	41670	Blue/Blue	100 (50 pair, bagged)	13 lbs.
80 Series	X Small	6	41280	Blue/Green	100 (50 pair, bagged)	11 lbs.
	Small	7	41380	Blue/Green	100 (50 pair, bagged)	12 lbs.
	Medium	8	41480	Blue/Green	100 (50 pair, bagged)	13 lbs.
	Large	9	41580	Blue/Green	100 (50 pair, bagged)	14 lbs.
	X Large	10	41680	Blue/Green	100 (50 pair, bagged)	14 lbs.



All-blue 70 Series



50 Series: 11 mil thick, unlined

70 Series: 11 mil thick, lined

80 Series: 15 mil thick, lined

VR® Boot Covers



Made with gritty anti-slip VR® material for enhanced traction. Knee-high, foot and lower leg protection. Ideal for use where biological and chemical liquids are present. Two supple weights provide flexible, lightweight coverage. Available in blue, yellow or clear. White available by special order. Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available. Alternate packaging options are available, including individual bagging.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Regular w/ Elastic Top	49350	4 mil	● Blue	100 bulk (50 pair)	8 lbs.
	49354	4 mil	● Yellow	100 bulk (50 pair)	8 lbs.
	49356	4 mil	○ Clear	100 bulk (50 pair)	8 lbs.
	49351	6 mil	● Blue	100 bulk (50 pair)	11 lbs.
	49355	6 mil	● Yellow	100 bulk (50 pair)	11 lbs.
	49357	6 mil	○ Clear	100 bulk (50 pair)	11 lbs.
Large w/ Elastic Top	49550	4 mil	● Blue	100 bulk (50 pair)	9 lbs.
	49554	4 mil	● Yellow	100 bulk (50 pair)	9 lbs.
	49556	4 mil	○ Clear	100 bulk (50 pair)	9 lbs.
	49551	6 mil	● Blue	100 bulk (50 pair)	13 lbs.
	49555	6 mil	● Yellow	100 bulk (50 pair)	13 lbs.
	49557	6 mil	○ Clear	100 bulk (50 pair)	13 lbs.



White available by special order

VR® Shoe Covers

Made with gritty anti-slip VR® material for enhanced traction. Superior foot and shoe coverage with secure elastic top. Ideal for use where biological and chemical liquids are present. Two supple weights provide flexible, lightweight coverage. Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available. Alternate packaging options are available, including individual bagging.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Regular w/ Elastic Top	49310	4 mil	● Blue	200 bulk (100 pair)	9 lbs.
	49314	4 mil	● Yellow	200 bulk (100 pair)	9 lbs.
	49316	4 mil	○ Clear	200 bulk (100 pair)	9 lbs.
	49311	6 mil	● Blue	200 bulk (100 pair)	13 lbs.
	49315	6 mil	● Yellow	200 bulk (100 pair)	13 lbs.
	49317	6 mil	○ Clear	200 bulk (100 pair)	13 lbs.
Large w/ Elastic Top	49510	4 mil	● Blue	200 bulk (100 pair)	12 lbs.
	49514	4 mil	● Yellow	200 bulk (100 pair)	12 lbs.
	49516	4 mil	○ Clear	200 bulk (100 pair)	12 lbs.
	49511	6 mil	● Blue	200 bulk (100 pair)	18 lbs.
	49515	6 mil	● Yellow	200 bulk (100 pair)	18 lbs.
	49517	6 mil	○ Clear	200 bulk (100 pair)	18 lbs.

VR® Boot Shrouds

Knee-high lower leg protection. Guards against liquids and other materials from falling into tops of boots. Elastic top, 12 inch length provides optimum protection. Easy to clean and reuse.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Universal w/ Elastic Top	58100	4 mil	● Blue	100 bulk (50 pair)	6 lbs.
	58104	4 mil	● Yellow	100 bulk (50 pair)	6 lbs.



VR® Shoe Covers & Shrouds



"The VR® product is tremendous because it is so much more flexible than the usual PVC products."

~ Midwest Semi-Conductor Manufacturer

VR® Thigh-High Boots



Continuous coverage from foot to high on the thigh for protection from fluids and contaminants.

Flexible 4 mil blue leggings bonded with double heat seals to our gritty anti-slip 4 mil clear Shoe Covers.

A full 34 inches long from the sole to the elastic top opening. Elastic is encapsulated at the ankles and top securing the fit and preventing slide down.

Works comfortably when layered over scrubs or street clothes and under other protective outer wear.

Ideal for use where biological and chemical liquids are present.

One size fits all with elastic tops for height adjustment.

Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available.

Alternate packaging options are available, including individually bagged.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Universal	49580	4 mil	● Blue	25 Individually Bagged	14 lbs.

Anti-Slip Texture with VR® Footwear Products



Detail of anti-slip texture.

When developing our protective footwear products, special attention was given to traction in wet environments. Many solutions to the problem were considered, including treads, rubber coatings and solid additives.

Our solution maintains the integrity of the VR® barrier by using a special fabrication method that provides texture to the product without the need for additional materials. The texture we've integrated into our barrier material is akin to the adhesive traction strips found on exterior walkways around the world.

Many users turn the texture to the inside—against the sole of the shoe or boot—for best traction in slippery environments. This gives the sole of the shoe a firm grip on the VR® footwear. Others use it with the texture on the outside depending on footwear and flooring surface conditions.

VR® Jump Suit

Continuous coverage combines the upper body protection of a short sleeve Gown with the lower body protection of our High High Boots.

Flexible one-piece 4 mil blue short-sleeve upper body with leggings is bonded with double heat seals to our gritty anti-slip 4 mil clear Shoe Covers.

Open-back design allows for air circulation and ventilation for cooler protection.

Short sleeve design provides a comfortable fit reducing pull-down tension around the neck.

One size fits all with an adjustable neck and waist straps for custom fitting.

Elastic is encapsulated at the ankles securing the fit and preventing slide down.

Works comfortably when layered over scrubs or street clothes and under other protective outer wear.

Ideal for use where biological and chemical liquids are present.

Individually bagged for distribution and easy use.

Cleanroom packaging (for critical environments) is available.

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Universal	44550	4 mil	● Blue	25 Individually Bagged	14 lbs.



Open-back design provides excellent ventilation.

Unique design with shoulder & waist ties provide a secure fit.



VR® Trench Coat



Comfort-fit design with oversized snaps for quick donning and doffing.

Available with all of the same features of the rainwear jacket.

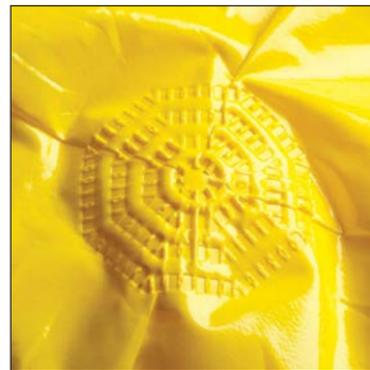
Extra long 50" length provides neck to below-the-knee protection.

Additional Colors are available in minimum quantity orders. Contact your sales representative for more information.

Size	Stock No	Material	Color	Case Pack	Case Wt.
Extra Large	56624	8 mil	Yellow	12 (individually bagged)	17 lbs.



Large snaps with storm flap



Reinforced construction

Naturally soft and lightweight.

Available with and without attached hood.

3-piece construction; jacket with storm flap; adjustable, quick-release elastic overalls.

Comfort-fit design with oversized snaps for quick donning and doffing.

Impervious to fats and oils; resistant to a broad range of acids and chemicals.

Odorless, nontoxic, easy-to-clean and disinfect.

Cold-crack and tear-resistant.

VR® Jackets w/ Hood

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Small	51324	8 mil	Yellow	12 (individually bagged)	10 lbs.
Medium	51424	8 mil	Yellow	12 (individually bagged)	11 lbs.
Large	51524	8 mil	Yellow	12 (individually bagged)	12 lbs.
X Large	51624	8 mil	Yellow	12 (individually bagged)	13 lbs.
XX Large	51724	8 mil	Yellow	12 (individually bagged)	14 lbs.
XXX Large	51824	8 mil	Yellow	12 (individually bagged)	15 lbs.

VR® Jackets

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Small	50324	8 mil	Yellow	12 (individually bagged)	9 lbs.
Medium	50424	8 mil	Yellow	12 (individually bagged)	10 lbs.
Large	50524	8 mil	Yellow	12 (individually bagged)	11 lbs.
X Large	50624	8 mil	Yellow	12 (individually bagged)	12 lbs.
XX Large	50724	8 mil	Yellow	12 (individually bagged)	13 lbs.
XXX Large	50824	8 mil	Yellow	12 (individually bagged)	14 lbs.

VR® Overalls

Size	Stock No.	Material	Color	Case Pack	Case Wt.
Small	53324	8 mil	Yellow	12 (individually bagged)	9 lbs.
Medium	53424	8 mil	Yellow	12 (individually bagged)	10 lbs.
Large	53524	8 mil	Yellow	12 (individually bagged)	11 lbs.
X Large	53624	8 mil	Yellow	12 (individually bagged)	12 lbs.
XX Large	53724	8 mil	Yellow	12 (individually bagged)	13 lbs.
XXX Large	53824	8 mil	Yellow	12 (individually bagged)	14 lbs.



Quick release buckles



Cross-straps for comfort



Large snaps with storm flap



Reinforced construction

VR® Rainwear



Available with and without hood.

Superior rain protection.
 Generous one-size-fits-all universal size; 50 inch width, 42 inch length.
 Attached hood keeps head and face dry.
 Heat-sealed side seams for leak-proof protection.
 Custom color combinations are available in minimum quantity orders. Contact your sales representative for more information.

Size	Stock No	Material	Color	Case Pack	Case Wt.
Universal	56404	4 mil	Yellow	24 (individually bagged)	8 lbs.



Custom color combinations are available in minimum quantity orders.

Convenient 8" x 12" size wipes.
 Specially formulated to perform in the toughest industrial environments.
 Perfect for cleaning impervious apparel, tools and nonporous work surfaces when used in a continuous cleaning program.
 Easy, no-rinse formula is a real time-saver.
 Removes oils, greases and other processing residues.
 Meets FDA standards and contains no color additives or fragrances.
 Contains surfactants and quaternary ammonia compounds.

Product	Stock No	Description	Case Pack	Case Wt.
PolyWog® Wipes	31300	300 wipes/bucket	4 Buckets/case	49 lbs.
PolyWog® Refill	31310	300 wipes/bag	2 Bags/Case	19 lbs.



When Using PolyWog™ Wipes:

PolyWog™ Wipes can be used for wiping down any VR® Protective Wear product and cleaning away any build-up of dirt and residue. PolyWog™ Wipes cut through grease and oils easily with no rinsing required, leaving no residues behind. Evaporation time of the no-fragrance solution is just 60 seconds and the item is ready for reuse. PolyWog™ Wipes also work great when used to clean tools and nonporous work surfaces, especially stainless steel.

PolyWog™ Wipes were specifically developed in response to requests from many small to medium processors without in-house laundering capabilities. Special attention was given to four objectives:

- 1) Cleaning could be done without the presence of water or the need for rinsing.
- 2) Quick drying.
- 2) Efficiently removes proteins, grease and oils.
- 3) An unscented solution that emits no fragrance during and after cleaning.

PolyWog™ Wipes successfully fulfill all four of these objectives having been tried and true for over 15 years.



Available in eight popular colors.

In compliance with FDA requirements and tested in accordance with ASTM standards including breaking load, tensile strength and elongation.

Successfully tested for liquid and aerosol blood resistance under ASTM F 1670 Synthetic Blood Penetration Resistance and ASTM F 1671 Bacteriophage Penetration Resistance.

In compliance with OSHA bloodborne pathogen standards (standard number 1910.1030).

AAMI levels 1 & 2 barrier protection.

Superior physical properties over imports.

Easy tear-away feature for quick gown removal and safe disposal.

Contoured thumb loops secure gown sleeve for added protection.

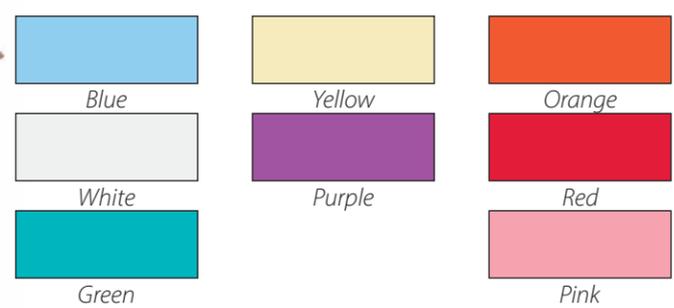
Redirects stress to the film material not the thermal seals to minimize breakage potential.

Full-length open back affords better comfort and shoulder coverage.

Provides liquid and aerosol blood resistance.

Lightweight, non-linting construction.

Additional colors are available in minimum quantity orders. Contact your sales representative for more information.



Extendable back ties for best fit

Smooth 1mil Gowns

Size	Packaging	Stock No.	Color	Case Pack	Case Wt.	
Regular	Dispenser Boxed & Individually Bagged	10400	● Blue	5 Boxes of 20/case	12 lbs.	
		10402	○ White	5 Boxes of 20/case	12 lbs.	
		10404	● Yellow	5 Boxes of 20/case	12 lbs.	
	Bulk/Individually Bagged	10410	● Blue	100/case	11 lbs.	
		10412	○ White	100/case	11 lbs.	
		10414	● Yellow	100/case	11 lbs.	
	Bulk	10420	● Blue	100/case	11 lbs.	
		10422	○ White	100/case	11 lbs.	
		10424	● Yellow	100/case	11 lbs.	
	Large	Dispenser Boxed & Individually Bagged	10500	● Blue	5 Boxes of 15/case	11 lbs.
			10502	○ White	5 Boxes of 15/case	11 lbs.
			10504	● Yellow	5 Boxes of 15/case	11 lbs.
Bulk/Individually Bagged		10510	● Blue	100/case	13 lbs.	
		10511	● Purple	100/case	13 lbs.	
		10512	○ White	100/case	13 lbs.	
		10513	● Orange	100/case	13 lbs.	
		10514	● Yellow	100/case	13 lbs.	
		10515	● Pink	100/case	13 lbs.	
		10516	● Green	100/case	13 lbs.	
		10518	● Red	100/case	13 lbs.	
		Bulk	10520	● Blue	100/case	13 lbs.
10521			● Purple	100/case	13 lbs.	
10522			○ White	100/case	13 lbs.	
10523			● Orange	100/case	13 lbs.	
10524			● Yellow	100/case	13 lbs.	
10525			● Pink	100/case	13 lbs.	
10526			● Green	100/case	13 lbs.	
10528	● Red		100/case	13 lbs.		
X Large	Dispenser Boxed & Individually Bagged		10600	● Blue	5 Boxes of 15/case	12 lbs.
		10602	○ White	5 Boxes of 15/case	12 lbs.	
		10604	● Yellow	5 Boxes of 15/case	12 lbs.	
	Bulk/Individually Bagged	10610	● Blue	75/case	11 lbs.	
		10612	○ White	75/case	11 lbs.	
		10614	● Yellow	75/case	11 lbs.	
Bulk	10620	● Blue	75/case	11 lbs.		
	10622	○ White	75/case	11 lbs.		
	10624	● Yellow	75/case	11 lbs.		
XX Large	Bulk	10720	● Blue	75/case	12 lbs.	
		10722	○ White	75/case	12 lbs.	

Smooth 1mil Coverback Gowns

Size	Packaging	Stock No.	Color	Case Pack	Case Wt.
Large	Bulk	10820	● Blue	50/case	13 lbs.

Smooth 2mil Gowns

Size	Packaging	Stock No.	Color	Case Pack	Case Wt.
Large	Bulk	12520	● Blue	50/case	12 lbs.
X Large	Bulk	12620	● Blue	50/case	15 lbs.

"PolyWear® Gowns were a great surprise for our vets regarding the ease of putting them on and the disposable protection they offered"
 ~ Southeast Equestrian Hospital



Also available in coverback design for added protection



Available in five popular colors.

In compliance with FDA requirements and tested in accordance with ASTM standards including breaking load, tensile strength and elongation.

Successfully tested for liquid and aerosol blood resistance under ASTM F 1670 Synthetic Blood Penetration Resistance and ASTM F 1671 Bacteriophage Penetration Resistance.

In compliance with OSHA bloodborne pathogen standards (standard number 1910.1030).

AAMI levels 1 & 2 barrier protection.

Superior physical properties over imports.

Easy tear-away feature for quick gown removal and safe disposal.

Contoured thumb loops secure gown sleeve for added protection.

Redirects stress to the film material not the thermal seals to minimize breakage potential.

Full-length open back affords better comfort and shoulder coverage.

Provides liquid and aerosol blood resistance.

Lightweight, non-linting construction.

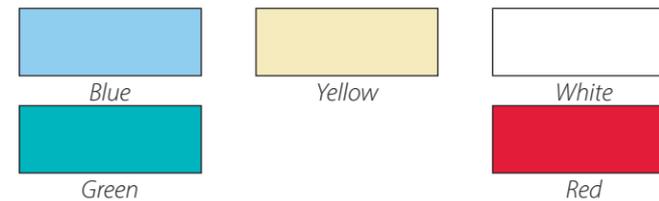
Additional colors are available in minimum quantity orders. Contact your sales representative for more information.



Easy tear-away for quick gown removal and safe disposal

Embossed 1mil Gowns

Size	Packaging	Stock No.	Color	Case Pack	Case Wt.
Regular	Dispenser Boxed & Individually Bagged	11400	● Blue	5 Boxes of 20/case	12 lbs.
		11402	○ White	5 Boxes of 20/case	12 lbs.
		11404	● Yellow	5 Boxes of 20/case	12 lbs.
	Bulk/Individually Bagged	11410	● Blue	100/case	11 lbs.
		11412	○ White	100/case	11 lbs.
		11414	● Yellow	100/case	11 lbs.
	Bulk	11420	● Blue	100/case	11 lbs.
		11422	○ White	100/case	11 lbs.
		11424	● Yellow	100/case	11 lbs.
Large	Dispenser Boxed & Individually Bagged	11500	● Blue	5 Boxes of 15/case	11 lbs.
		11502	○ White	5 Boxes of 15/case	11 lbs.
		11504	● Yellow	5 Boxes of 15/case	11 lbs.
	Bulk/Individually Bagged	11510	● Blue	100/case	13 lbs.
		11512	○ White	100/case	13 lbs.
		11514	● Yellow	100/case	13 lbs.
		11516	● Green	100/case	13 lbs.
		11518	● Red	100/case	13 lbs.
		Bulk	11520	● Blue	100/case
	11522		○ White	100/case	13 lbs.
	11524		● Yellow	100/case	13 lbs.
	X Large	Dispenser Boxed & Individually Bagged	11600	● Blue	5 Boxes of 10/case
11602			○ White	5 Boxes of 10/case	10 lbs.
11604			● Yellow	5 Boxes of 10/case	10 lbs.
Bulk/Individually Bagged		11610	● Blue	50/case	10 lbs.
		11612	○ White	50/case	10 lbs.
		11614	● Yellow	50/case	10 lbs.
Bulk		11620	● Blue	50/case	10 lbs.
		11622	○ White	50/case	10 lbs.
		11624	● Yellow	50/case	10 lbs.



Convenient dispenser



Bulk Packaging

"PolyWear® Gowns are sure a great item for repackaging into Avian Flu Preparedness Kits due to the colors offered and the donning and doffing ease."

~ East Coast Industrial Distributor

VR® Barrier Products for the Health Care Environment



VR® Aprons: Pages 8–13

For over twenty-five years VR® Protective Wear has proven itself as a viable alternative to vinyl and a variety of other materials that have been traditionally used in a multitude of industries. With the introduction of the VR® Sleeve Glove over five years ago the popularity of VR® products in the Healthcare environment has steadily increased. The Healthcare industry's awareness of VR's lightweight comfort and strength is just beginning to take hold and the demand continues to grow for VR® Gowns, Sleeves, Aprons and Foot Wear. New to the list are the introduction of the High High Boots and the Jump Suit.

VR® material offers strong, impervious protection to fluids and pathogens as well as many chemicals. It has earned its place as a comfortable solution to many applications in and around the Healthcare workplace that require protection from contaminants.

Innovative VR® protective wear is used throughout many healthcare facilities such as:

- Sterile Processing (SPD)
- Surgery (OR)
- Environmental Services (EVS)
- Emergency (ER)
- Obstetrics and Gynecology OB-GYN
- Housekeeping
- Chemo
- Intensive Care Unit (ICU)
- Lab
- Burn Unit
- Nutrition and Dietetics
- Critical Care
- Maintenance Engineering
- Bio Med



VR® Jumpsuit: Page 19



VR® Gowns: Pages 4–7

VR® Barrier Products for the Health Care Environment



PolyWear® Disposable Gowns: Pages 24–27

VR® Sleeve Gloves: Page 15



VR® Sleeves: Page 14



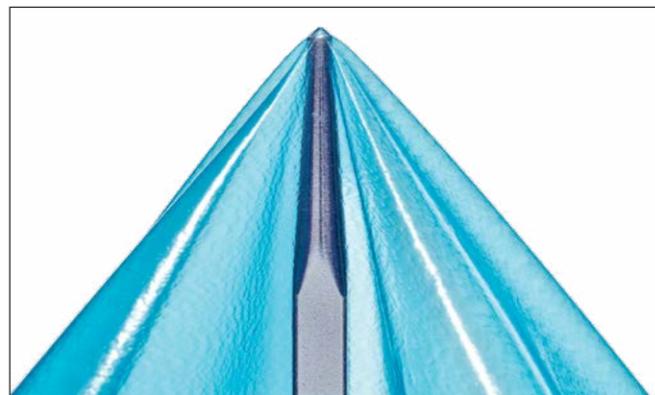
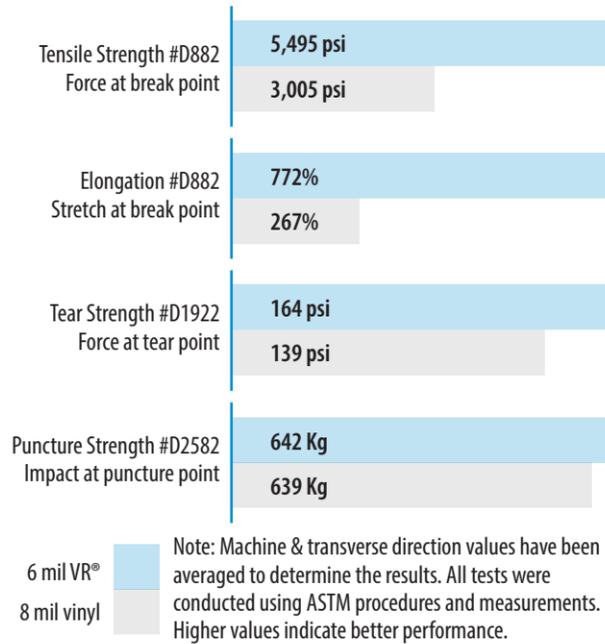
VR® Thigh-High Boots: Page 18



VR® Shoe & Boot Covers: Pages 16–17

Physical Properties

Independent physical performance tests prove that VR® is superior to vinyl. The chart below compares a 6 mil VR® material to a heavier 8 mil vinyl material, demonstrating conclusively that VR® material outperforms vinyl in all categories.



VR® has superior puncture resistance compared to vinyl.

Biological Contaminant Resistance

Personal protective clothing made from VR® film material offers a natural non-stiffening resistance to animal fat and fat-containing fluids. VR® has a unique lustrous finish that is easy to clean for reuse. Fats, oils and other biological contaminants can be easily removed by wiping with a damp cloth, or by

washing or rinsing at water temperatures no higher than 180° F. A liquid washing detergent is most effective as a degreasing and cleaning agent. Regular sanitizing procedures using standard chlorine bleaching agents are recommended for cleaning and decontaminating VR® products. After cleaning, VR® products can be hung to drip dry in ambient temperatures or put into a machine dryer that has an air (cool) cycle—heat cycles should not be used and are not recommended.

Chemical Contaminants

In comparative independent lab tests, VR® has been proven to be equal or superior to PVC (vinyl) and other alternative materials in chemical resistance—confirming exceptional chemical resistance of VR® to industrial concentrations of hydrofluoric, hydrochloric, sulfuric, and nitric acids under ambient conditions. The lab tests demonstrated that VR® Protective Wear provides excellent protection against accidental exposure or direct contact with hazardous chemicals. Tests were conducted with VR® and vinyl over a 24-hour period. VR® material tested in 4 to 12 mil thickness did not suffer any catastrophic failure (liquid penetration). Vinyl protective wear tested at the same time suffered catastrophic failure when exposed to sulfuric acid.



Sample test with sulphuric acid on vinyl and VR®.

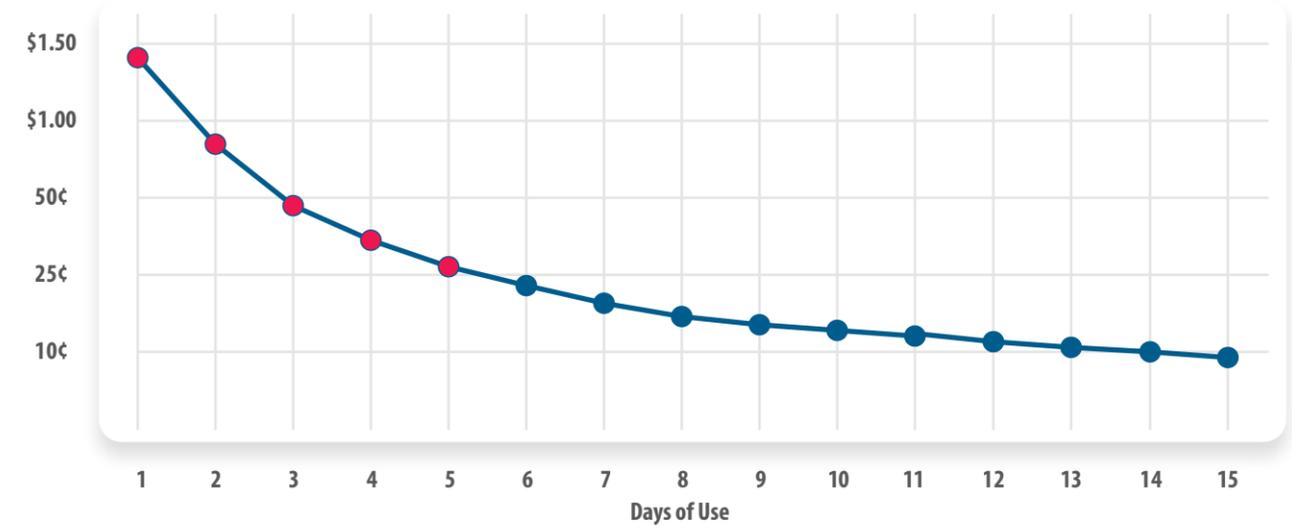
Under the current ANSI (American National Standards Institute) Standard for governing performance requirements for protective clothing, VR® Protective Wear is classified as Partial Body Chemical Protective Clothing. The ANSI prescribed tests are for much shorter periods of exposure than the tests conducted by the independent laboratory performing the tests of VR® Protective Wear. VR® and vinyl were also tested for relative resistance to vapor transmission. VR® was superior to vinyl in vapor transmission resistance. In exposure to sulfuric acid, VR® revealed no evidence of vapor transmission over a 24-hour observation period while vinyl had a catastrophic failure in less than 17 hours.

Contact PolyCo for more information about specific chemical contamination resistance.

Climate Controlled Work Environment

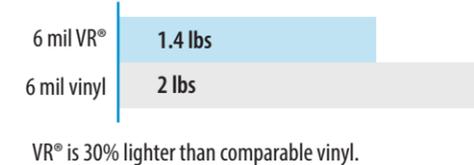
VR® film material is especially adapted to cold temperature controlled work environments. VR® material remains soft and supple even at temperatures well below freezing. VR® does not degrade, cold-crack, or become brittle from low temperature use or from exposure to fat, oils, and fat-containing fluids.

Daily Apron Cost

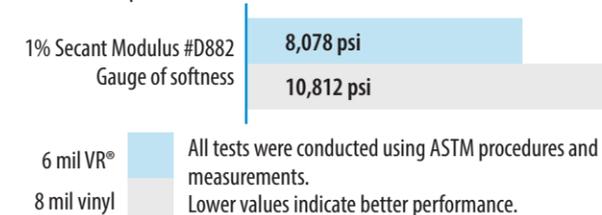


Initial cost of apron: \$1.40 each
 ● Average wear life of PVC apron: 5 days
 ● Average wear life of VR® apron: 15 days
 Users report average wear life of VR® aprons to be 2x to 6x longer than PVC aprons when used with normal cleaning & handling.

Weight Comparison:



Softness Comparison:



Softness & Weight

In comparative independent lab tests, VR® has been proven to be softer than vinyl (see chart above). By weight comparison of both VR® and vinyl, the same quantity of both materials show VR® to be 30% lighter than vinyl. A softer feel and lighter weight make VR® a more comfortable product to wear for long periods of time over vinyl.

Wear Life

The wearing life and reusability of a personal protective garment is essential to many applications. End users nationwide have documented that VR® is more durable than vinyl and many other traditional materials. As the Apron Wear Life Comparison Chart (at the right) illustrates, a cost savings of over 65% a day can be achieved by replacing vinyl with VR®. In this study, VR® and vinyl aprons are assumed to be equal in cost with the wear life of vinyl limited to five days and the wear life of VR® lasting up to 15 days. The cost of vinyl and VR® remains level at 28¢ a day through the first five days with the cost of VR® declining significantly to 9.4¢ a day.



VR® weighs 30% less than vinyl.

Disposal Cost

In analyzing the cost benefits of replacing vinyl with VR®, attention must be given to the cost-avoidance or waste collection savings achieved from VR®'s extended wear life. VR®'s lighter weight (up to 50% less than comparable vinyl) provides additional savings in annual waste disposal costs. For example: A plant has 500 employees each wearing one grommited 8 mil 45" vinyl apron per week for a total usage of 25,000 vinyl aprons. The plant replaces these vinyl aprons with grommited 6 mil 45" VR® aprons and as a result now uses only 8,333 VR® aprons annually. With the VR® replacement, the plant's total annual apron disposal cost has been greatly reduced.

Recycling Cost Benefit

VR® is derived from polyolefin plastomer resins that incorporate a new metallocene catalyst technology. Exhibiting very attractive recycling properties, VR® can be blended by most poly film extrusion companies. VR® waste material that is clean and unadulterated (no foreign materials present) commands a premium price from recyclers and film re-processors. The strong bonding and reprocessing qualities of VR® make for excellent recyclability. For example, using the previous illustration, a plant replacing 25,000 vinyl aprons a year with 8,333 VR® aprons can recapture approximately \$325.00 (at 15¢/lb.) of the VR® apron cost through a recycling program. Note: These are estimated gross recycling revenues that would contribute to a plant-wide recycling program. Contact PolyCo for more information and guidance in developing a recycling program.

Comfort and Protection

The wearing of VR® personal protective clothing enhances compliance with emerging OSHA ergonomic standards and guidelines. The softness and lighter weight of VR® contributes to better wearing comfort for the employee during the course of a long work day. Better comfort means that employees will be more attentive to quality and productivity, translating into an economic gain for employers. VR® is odorless and non-toxic. Unlike traditional vinyl, which contains carcinogenic plasticizers that can migrate resulting in material brittleness and surface degradation, VR® is chemically inert and remains stable under conditions of reuse. The innovative design and variety of VR® personal protective wear provides customers with a broad choice of coverage and protection. For optimum comfort, protection and value, VR® is available in many variations of protection as shown in this catalog.

Environmental Safety

PolyCo certifies that VR® personal protective clothing film is approved for direct food contact according to the FDA's Code of Federal Regulations (21CFR175.300) and is formulated in compliance with the appropriate food additive regulations and guidelines of the USDA for use in direct, prolonged contact with food, meat or poultry products. VR® contains no toxic substances or plasticizers and can be safely land-filled or incinerated with no harm to the environment. If incinerated, VR® product waste emits only nontoxic carbon dioxide and water. Field test comparisons conducted by end users have proven conclusively that VR® Protective Wear is more user friendly—employees enjoy the lighter weight and brilliance of VR® colors. End users have also discovered that VR® is easier to clean and actually gets softer while retaining its strength after repeated uses. USDA's HACCP rule includes hygiene requirements related

to personal protection apparel. "Reusable disposable items with obvious wear will have to be changed more often." Under OSHA standard 1910.132, personal protective equipment should be used when hazards to processes or environment, chemical hazards, radiological hazards, or mechanical irritants are encountered in a manner capable of causing injury or impairment to employees through absorption, inhalation, or physical contact. Under these standards, employers are required to analyze their work practices to determine if hazards are present, or are likely to be present, that will necessitate the use of personal protective equipment. Under 1910.132, OSHA also mandates that defective or damaged PPE shall not be used. Reuse of personal protective clothing that becomes brittle and suffers surface alteration after several washes and rinses could potentially violate this OSHA mandate.

VR® Product Evaluation & Information

VR® Markets

VR® has proven to be a superior replacement for traditional protective apparel used in industries where biological, chemical, and other contaminants pose a significant danger to employees and manufactured products.

Food Processing

VR® Aprons, Sleeves and Gowns have become increasingly popular as cost-effective replacements for traditional vinyl protective apparel in the Food Processing Industry:

- Red Meat & Poultry
- Fisheries & Seafood
- Sausage Makers
- Dairy Operations
- Produce "Further Processors"
- Confectioners
- Beverage Producers

Historically, vinyl aprons, sleeves, and coat aprons (gowns) used for employee protection have demonstrated limited wear life due to the erosion of the vinyl's plasticizers (softening agents). This erosion is caused by one or more of the following reasons:

- a) Frequent Use where the vinyl garment is continually exposed to animal fats and oils;
- b) Repeated Cleaning or Washing; and
- c) Tearing and Cracking from cold work environments.

Since VR® Protective Wear Aprons, Sleeves, and Gowns do not contain plasticizers, their wear life is 3-10 times that of vinyl. This is important to the Food Processing Industry where frequent use and repeated cleaning of protective wear is usual and customary. Another advantage of VR® in the Food Processing Industry is VR®'s lighter weight and softness. Since laboratory studies of VR®'s physical properties have revealed the superiority of VR® to vinyl in strength and durability, VR®'s popularity as a vinyl replacement has continued to grow (4 mil VR® is equal to 6 mil vinyl and 6 mil VR® is equal to 8 mil vinyl). The lighter weight is more comfortable and is less noticeable to the employee during a long workday.

Critical & Controlled Environments

VR® Die-Cut Aprons, Gowns, Sleeves, Boots and Sleeve Gloves are especially adaptable to the protective requirements of critical environments:

- Semiconductor Chip Manufacturing
- Pharmaceutical Laboratories and Manufacturing
- Aerospace Cleanrooms
- Food/Biotech Cleanroom Environments
- Nuclear Waste Disposal

In Particle and Electrostatic Discharge Controlled Environments where chemical resistance of impervious garments is essential, VR® has proven to be superior to traditional vinyl garments. For example, semiconductor cleanrooms work with acid chemicals that pose a significant danger to employees not properly protected with quality, chemical-resistant protective wear. Because of its exceptional chemical resistance, low particle count, and surface resistivity, VR® protective apparel is rapidly becoming the product of choice in the semiconductor industry.

Contact PolyCo for specific data regarding particle and resistivity levels of typical cleanroom packaged VR® Protective Wear. In critical environments where low-temperature climate control is important, VR® excels with its cold crack resistance. Unlike vinyl, VR®'s softness and durability is not compromised by low temperature work environments and continues to provide comfortable protective wear even in the coldest operating temperatures. With VR®'s low attraction to radioactive particles, Nuclear Power Plant facilities favor the use of VR® Boots and Gowns over vinyl protective wear in the handling and management of radioactive contaminated materials.

Healthcare

VR® is specified as a durable barrier requirement in Critical Environments where there is the potential for biological contamination from bloodborne pathogens. VR® Protective Gowns, Sleeve Gloves, Aprons, Boots, and Sleeves are used in Hospital Sterile Processing, Central Services, Clinical Laboratories, Outpatient, Surgical and other hospital critical care departments.

Manufacturing

Because of the exceptional physical and design attributes of VR® Protective Wear, product manufacturers seeking improved personal protection for their employees from chemical exposure and other toxic and nontoxic contaminants are pleased with the cost-effective performance of VR®

VR® Product Evaluation & Information

compared to other personal protective garments. The ease of cleaning, strength, durability, lightweight comfort, and low price of VR® Protective Wear are attributes that manufacturers and processors prefer or require when specifying employee personal protection. From Automotive to Waste Processing, industries throughout the world are recognizing that VR® Protective Wear is in a class by itself.

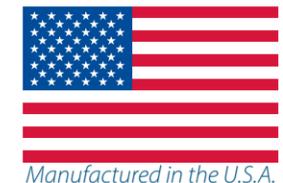
VR® Custom Products

VR® is a proprietary material of PolyConversions, Inc., and is being developed into many products formerly dominated by PVC (vinyl) and other materials.

The Many Advantages of VR®

- Puncture Resistance
- Tear Resistance
- Tensile Strength
- Elongation
- Natural Softness
- Recyclability

All make for a replacement material of choice in an age where environmental and ergonomic concerns, combined with long-lasting cost-effectiveness are paramount in new product design.





PolyConversions, Inc.
3202 Apollo Drive
Champaign, IL
61822-9668

Tel: 888.893.3330
Fax: 217.893.3003

info@polycousa.com
www.polycousa.com

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