

PolyCo



Innovative Protective Solutions

VR™ Protective Wear

PolyWear™ Disposable Gowns

PolyWog™ Wipes





PolyCo's 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 that 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™ Die-Cut Belly Patch Apron 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.



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VR™ Sleeves



Standard 18" Sleeve



Extra Wide 18" Sleeve

- 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 promotes ease in cleanability
- Available in blue, white and yellow (Clear also available by special order)
- 2 lengths and 2 widths deliver maximum protection and maximum productivity



VR™ SLEEVES

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|---------------------|-----------|----------|--------|--------------------|----------|------|
| 18" Standard | 41800 | 4 mil | Blue | 150 bulk (75 pair) | 8 lbs. | 1.15 |
| | 41802 | 4 mil | White | 150 bulk (75 pair) | 8 lbs. | 1.15 |
| | 41804 | 4 mil | Yellow | 150 bulk (75 pair) | 8 lbs. | 1.15 |
| | 41801 | 6 mil | Blue | 150 bulk (75 pair) | 12 lbs. | 1.53 |
| | 41803 | 6 mil | White | 150 bulk (75 pair) | 12 lbs. | 1.53 |
| | 41805 | 6 mil | Yellow | 150 bulk (75 pair) | 12 lbs. | 1.53 |
| 18" Extra Wide | 41850 | 4 mil | Blue | 150 bulk (75 pair) | 9 lbs. | 1.15 |
| | 41852 | 4 mil | White | 150 bulk (75 pair) | 9 lbs. | 1.15 |
| | 41854 | 4 mil | Yellow | 150 bulk (75 pair) | 9 lbs. | 1.15 |
| | 41851 | 6 mil | Blue | 150 bulk (75 pair) | 14 lbs. | 2.0 |
| | 41853 | 6 mil | White | 150 bulk (75 pair) | 14 lbs. | 2.0 |
| | 41855 | 6 mil | Yellow | 150 bulk (75 pair) | 14 lbs. | 2.0 |
| 24" Shoulder Length | 41900 | 4 mil | Blue | 150 bulk (75 pair) | 10 lbs. | 1.15 |

"These VR™ Sleeves performed better than anticipated within our biological application"

– West Coast Tissue Bank



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 & Static Dissipation
- Meets or Exceeds OSHA Level D Chemical Protective Apparel Requirements for Splash Protection
- Strong, Durable, Light Weight, Ergonomic and Latex Free

VR™ SLEEVE GLOVES

| Size | Glove Size | Stock No. | Color | Case Pack | Case Wt. | Cube |
|---------|------------|-----------|------------|-----------------------------------|----------|------|
| Small | 7 | 41350 | Blue/Green | 100 (50 pair individually bagged) | 10 lbs. | .83 |
| Medium | 8 | 41450 | Blue/Green | 100 (50 pair individually bagged) | 10 lbs. | .83 |
| Large | 9 | 41550 | Blue/Green | 100 (50 pair individually bagged) | 10 lbs. | .83 |
| X-Large | 10 | 41650 | Blue/Green | 100 (50 pair individually bagged) | 11 lbs. | .83 |



VR™ Boot Covers



Now made with Anti-Slip Grit VR material for enhanced traction

- Knee-high, foot and lower leg protection
- Choose from plain or elastic top for added splash protection
- Ideal for use where biological and chemical liquids are present
- 2 supply weights provide flexible, lightweight coverage
- Available in blue, yellow or clear
- Standard or Cleanroom-packaged (for Class 100 controlled environments)



VR™ BOOT COVERS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|--------------------------|-----------|----------|--------|--------------------|----------|------|
| Regular with Elastic-Top | 49350 | 4 mil | Blue | 100 bulk (50 pair) | 8 lbs. | 1.53 |
| | 49354 | 4 mil | Yellow | 100 bulk (50 pair) | 8 lbs. | 1.53 |
| | 49356 | 4 mil | Clear | 100 bulk (50 pair) | 8 lbs. | 1.53 |
| | 49351 | 6 mil | Blue | 100 bulk (50 pair) | 11 lbs. | 1.53 |
| | 49355 | 6 mil | Yellow | 100 bulk (50 pair) | 11 lbs. | 1.53 |
| | 49357 | 6 mil | Clear | 100 bulk (50 pair) | 11 lbs. | 1.53 |
| Large with Elastic-Top | 49550 | 4 mil | Blue | 100 bulk (50 pair) | 9 lbs. | 2.0 |
| | 49554 | 4 mil | Yellow | 100 bulk (50 pair) | 9 lbs. | 2.0 |
| | 49556 | 4 mil | Clear | 100 bulk (50 pair) | 9 lbs. | 2.0 |
| | 49551 | 6 mil | Blue | 100 bulk (50 pair) | 13 lbs. | 2.0 |
| | 49555 | 6 mil | Yellow | 100 bulk (50 pair) | 13 lbs. | 2.0 |
| | 49557 | 6 mil | Clear | 100 bulk (50 pair) | 13 lbs. | 2.0 |

“The VR™ product is tremendous because it is so much more flexible than the usual PVC products.”

– Midwest Semi-Conductor Manufacturer



VR™ Shoe Covers



Now made with Anti-Slip Grit VR material for enhanced traction

- Superior foot and shoe coverage with secure elastic top
- Ideal for use where biological and chemical liquids are present
- 2 supple weights provide flexible, lightweight coverage

VR™ SHOE COVERS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|--------------------------|-----------|----------|--------|---------------------|----------|------|
| Regular with Elastic-Top | 49310 | 4 mil | Blue | 200 bulk (100 pair) | 9 lbs. | 2.0 |
| | 49314 | 4 mil | Yellow | 200 bulk (100 pair) | 9 lbs. | 2.0 |
| | 49316 | 4 mil | Clear | 200 bulk (100 pair) | 9 lbs. | 2.0 |
| | 49311 | 6 mil | Blue | 200 bulk (100 pair) | 13 lbs. | 3.39 |
| | 49315 | 6 mil | Yellow | 200 bulk (100 pair) | 13 lbs. | 3.39 |
| | 49317 | 6 mil | Clear | 200 bulk (100 pair) | 13 lbs. | 3.39 |
| Large with Elastic-Top | 49510 | 4 mil | Blue | 200 bulk (100 pair) | 12 lbs. | 2.0 |
| | 49514 | 4 mil | Yellow | 200 bulk (100 pair) | 12 lbs. | 2.0 |
| | 49516 | 4 mil | Clear | 200 bulk (100 pair) | 12 lbs. | 2.0 |
| | 49511 | 6 mil | Blue | 200 bulk (100 pair) | 18 lbs. | 3.39 |
| | 49515 | 6 mil | Yellow | 200 bulk (100 pair) | 18 lbs. | 3.39 |
| | 49517 | 6 mil | Clear | 200 bulk (100 pair) | 18 lbs. | 3.39 |

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



VR™ BOOT SHROUDS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------------------------|-----------|----------|-------|--------------------|----------|------|
| Universal with elastic tops | 58100 | 4 mil | Blue | 100 bulk (50 pair) | 6 lbs. | 1.15 |

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 or yellow
- 3 lengths provide optimum protection for every application
- Standard or Cleanroom-packaged (for Class 100 controlled environments)



“VR™ Aprons are a great, lightweight alternative for our employees. Don’t have to worry about chemical splashes.”

– Midwest Healthcare Device Manufacturer



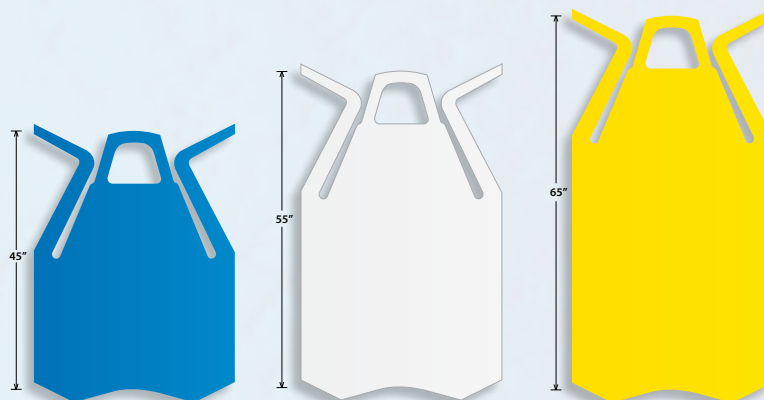
Belly Patch Apron



VR™ DIE-CUT APRONS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|----------------------------|-----------|----------|--------|--------------------|----------|------|
| 35" x 45" | 46400 | 4 mil | Blue | 100 bulk | 18 lbs. | 1.0 |
| | 46402 | 4 mil | White | 100 bulk | 18 lbs. | 1.0 |
| | 46404 | 4 mil | Yellow | 100 bulk | 18 lbs. | 1.0 |
| | 46401 | 6 mil | Blue | 100 bulk | 26 lbs. | 1.0 |
| | 46403 | 6 mil | White | 100 bulk | 26 lbs. | 1.0 |
| | 46405 | 6 mil | Yellow | 100 bulk | 26 lbs. | 1.0 |
| | 46420 | 8 mil | Blue | 50 bulk | 16 lbs. | 1.0 |
| | 46422 | 8 mil | White | 50 bulk | 16 lbs. | 1.0 |
| | 46424 | 8 mil | Yellow | 50 bulk | 16 lbs. | 1.0 |
| 35" x 55" | 46500 | 4 mil | Blue | 100 bulk | 23 lbs. | 1.0 |
| | 46502 | 4 mil | White | 100 bulk | 23 lbs. | 1.0 |
| | 46504 | 4 mil | Yellow | 100 bulk | 23 lbs. | 1.0 |
| | 46501 | 6 mil | Blue | 100 bulk | 30 lbs. | 1.39 |
| | 46503 | 6 mil | White | 100 bulk | 30 lbs. | 1.39 |
| | 46505 | 6 mil | Yellow | 100 bulk | 30 lbs. | 1.39 |
| | 46520 | 8 mil | Blue | 50 bulk | 21 lbs. | 1.0 |
| | 46522 | 8 mil | White | 50 bulk | 21 lbs. | 1.0 |
| | 46524 | 8 mil | Yellow | 50 bulk | 21 lbs. | 1.0 |
| 35" x 65" | 46600 | 4 mil | Blue | 100 bulk | 27 lbs. | 1.0 |
| | 46602 | 4 mil | White | 100 bulk | 27 lbs. | 1.0 |
| | 46604 | 4 mil | Yellow | 100 bulk | 27 lbs. | 1.0 |
| | 46601 | 6 mil | Blue | 100 bulk | 35 lbs. | 1.39 |
| | 46603 | 6 mil | White | 100 bulk | 35 lbs. | 1.39 |
| | 46605 | 6 mil | Yellow | 100 bulk | 35 lbs. | 1.39 |
| | 46620 | 8 mil | Blue | 50 bulk | 26 lbs. | 1.0 |
| | 46622 | 8 mil | White | 50 bulk | 26 lbs. | 1.0 |
| | 46624 | 8 mil | Yellow | 50 bulk | 26 lbs. | 1.0 |
| 35" x 60" with Belly Patch | 46124 | 8 mil | Yellow | 48 (4 packs of 12) | 16 lbs. | 1.38 |

**Available in 3 lengths: 45", 55" & 65" and
3 different colors: Blue, White or Yellow**



VR™ Grommet Aprons



- Constructed entirely of VR™ material...even 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
- Standard or Cleanroom-packaged (for Class 100 controlled environments)



“PolyCo VR™ Aprons hold up longer and protect me better than vinyl in our oily environment”

– Southern Sheet Metal Fabricator



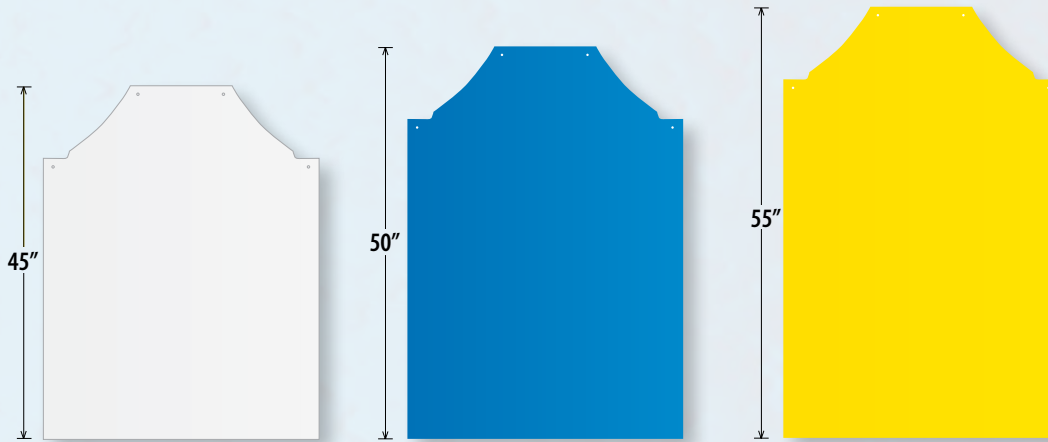
Grommet Detail



Apron Ties Attached



VR™ Grommet Aprons



50" VR™ Grommet Apron
available in blue only



VR™ GROMMET APRONS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|---------------------|-----------|----------|--------|------------|----------|------|
| 35" x 45" with ties | 45400 | 4 mil | Blue | 100 bulk | 22 lbs. | 1.0 |
| | 45402 | 4 mil | White | 100 bulk | 22 lbs. | 1.0 |
| | 45404 | 4 mil | Yellow | 100 bulk | 22 lbs. | 1.0 |
| | 45401 | 6 mil | Blue | 100 bulk | 33 lbs. | 1.39 |
| | 45403 | 6 mil | White | 100 bulk | 33 lbs. | 1.39 |
| | 45405 | 6 mil | Yellow | 100 bulk | 33 lbs. | 1.39 |
| | 45420 | 8 mil | Blue | 50 bulk | 20 lbs. | 1.0 |
| | 45422 | 8 mil | White | 50 bulk | 20 lbs. | 1.0 |
| | 45424 | 8 mil | Yellow | 50 bulk | 20 lbs. | 1.0 |
| 35" x 50" with ties | 45000 | 4 mil | Blue | 100 bulk | 25 lbs. | 1.0 |
| | 45001 | 6 mil | Blue | 100 bulk | 36 lbs. | 1.39 |
| | 45020 | 8 mil | Blue | 50 bulk | 23 lbs. | 1.0 |
| 35" x 55" with ties | 45500 | 4 mil | Blue | 100 bulk | 28 lbs. | 1.0 |
| | 45502 | 4 mil | White | 100 bulk | 28 lbs. | 1.0 |
| | 45504 | 4 mil | Yellow | 100 bulk | 28 lbs. | 1.0 |
| | 45501 | 6 mil | Blue | 100 bulk | 37 lbs. | 1.39 |
| | 45503 | 6 mil | White | 100 bulk | 37 lbs. | 1.39 |
| | 45505 | 6 mil | Yellow | 100 bulk | 37 lbs. | 1.39 |
| | 45520 | 8 mil | Blue | 50 bulk | 26 lbs. | 1.0 |
| | 45522 | 8 mil | White | 50 bulk | 26 lbs. | 1.0 |
| | 45524 | 8 mil | Yellow | 50 bulk | 26 lbs. | 1.0 |
| Nylon ties 30 in. | 89999 | — | White | 150/bundle | 1 | — |

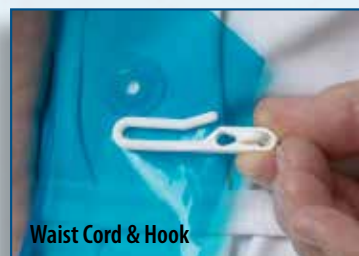
VR™ DCG Aprons



- DCG Aprons meet the challenges of safety and sanitation in personal protection
- Ergonomic die-cut design with grommets at the waist delivers comfortable, form-fitting style
- Choose from the popular cord & hook system or simple nylon-tie style for easy donning and doffing
- Available in blue, white or yellow and 3 weights for a custom fit

***“VR™ – what a great product
for employee splash protection”***

*– MidAtlantic Paint
Manufacturer*



VR™ DCG APRONS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|---------------------------------|-----------|----------|--------|--------------------|----------|------|
| 35" x 55" Die-Cut Grommet Apron | 48501 | 6 mil | Blue | 60 (5 packs of 12) | 21 lbs. | .83 |
| | 48503 | 6 mil | White | 60 (5 packs of 12) | 21 lbs. | .83 |
| | 48505 | 6 mil | Yellow | 60 (5 packs of 12) | 21 lbs. | .83 |
| | 48520 | 8 mil | Blue | 60 (5 packs of 12) | 25 lbs. | 1.38 |
| | 48522 | 8 mil | White | 60 (5 packs of 12) | 25 lbs. | 1.38 |
| | 48524 | 8 mil | Yellow | 60 (5 packs of 12) | 25 lbs. | 1.38 |
| | 48500 | 12 mil | Blue | 48 (4 packs of 12) | 32 lbs. | 1.38 |
| | 48502 | 12 mil | White | 48 (4 packs of 12) | 32 lbs. | 1.38 |
| | 48504 | 12 mil | Yellow | 48 (4 packs of 12) | 32 lbs. | 1.38 |
| | | | | | | |

| | | | | | | |
|--|-------|---|-------|------------|---|---|
| Waist Cord & Hooks (20" Elastic Cord With Hook & Tab) | 89998 | – | White | 12/pkg. | – | – |
| Nylon ties 30 in. | 89999 | – | White | 150/bundle | – | – |



VR™ HD Adjustable Strap Apron



- 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

VR™ HD ADJUSTABLE STRAP APRON

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------|-----------|----------|-------|------------------------|----------|------|
| 35" x 48" | 47500 | 12 mil | Blue | 24 individually bagged | 16 lbs. | .83 |

VR™ HD Grommet Apron



- Made of strong 12 mil VR™ material
- Neck and waist ties allow for maximum adjustment
- Ultrasonically attached grommets are strong and durable
- Available with weighted bottom for applications where strong air flow exists



VR™ HD GROMMET APRON

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------------------------------|-----------|----------|-------|--------------------|----------|------|
| 35" x 48" | 45100 | 12 mil | Blue | 48 (4 packs of 12) | 22 lbs. | .83 |
| 35" x 48" with weighted bottom | 45200 | 12 mil | Blue | 24 (2 packs of 12) | 31 lbs. | .83 |

VR™ Gowns



- 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
- Standard or Cleanroom-packaged (for Class 100 controlled environments)
- Available in blue, white, yellow or red; 3 flexible sizes; 2 comfortable weights and the option of extra long...all guaranteed to ensure a perfect fit
- 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™ Gowns



Thumb Loop



Elastic Cuff

VR™ THUMB LOOP GOWNS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|------------------------------|-----------|----------|--------|-----------|----------|------|
| Regular 45" Length | 42400 | 4 mil | Blue | 50 bulk | 18 lbs. | .83 |
| | 42402 | 4 mil | White | 50 bulk | 18 lbs. | .83 |
| | 42404 | 4 mil | Yellow | 50 bulk | 18 lbs. | .83 |
| | 42401 | 6 mil | Blue | 50 bulk | 25 lbs. | .83 |
| | 42403 | 6 mil | White | 50 bulk | 25 lbs. | .83 |
| | 42405 | 6 mil | Yellow | 50 bulk | 25 lbs. | .83 |
| Regular X Long 55" Length | 42470 | 4 mil | Blue | 50 bulk | 21 lbs. | .83 |
| | 42472 | 4 mil | White | 50 bulk | 21 lbs. | .83 |
| | 42474 | 4 mil | Yellow | 50 bulk | 21 lbs. | .83 |
| | 42471 | 6 mil | Blue | 50 bulk | 27 lbs. | .83 |
| | 42473 | 6 mil | White | 50 bulk | 27 lbs. | .83 |
| | 42475 | 6 mil | Yellow | 50 bulk | 27 lbs. | .83 |
| Large 50" Length | 42500 | 4 mil | Blue | 50 bulk | 21 lbs. | .83 |
| | 42502 | 4 mil | White | 50 bulk | 21 lbs. | .83 |
| | 42504 | 4 mil | Yellow | 50 bulk | 21 lbs. | .83 |
| | 42501 | 6 mil | Blue | 50 bulk | 29 lbs. | 1.38 |
| | 42503 | 6 mil | White | 50 bulk | 29 lbs. | 1.38 |
| | 42505 | 6 mil | Yellow | 50 bulk | 29 lbs. | 1.38 |
| Large X Long 55" Length | 42570 | 4 mil | Blue | 50 bulk | 22 lbs. | .83 |
| | 42572 | 4 mil | White | 50 bulk | 22 lbs. | .83 |
| | 42574 | 4 mil | Yellow | 50 bulk | 22 lbs. | .83 |
| | 42571 | 6 mil | Blue | 50 bulk | 31 lbs. | 1.38 |
| | 42573 | 6 mil | White | 50 bulk | 31 lbs. | 1.38 |
| | 42575 | 6 mil | Yellow | 50 bulk | 31 lbs. | 1.38 |
| X Large 55" Length | 42600 | 4 mil | Blue | 50 bulk | 27 lbs. | 1.38 |
| | 42602 | 4 mil | White | 50 bulk | 27 lbs. | 1.38 |
| | 42604 | 4 mil | Yellow | 50 bulk | 27 lbs. | 1.38 |
| | 42601 | 6 mil | Blue | 50 bulk | 36 lbs. | 1.38 |
| | 42603 | 6 mil | White | 50 bulk | 36 lbs. | 1.38 |
| | 42605 | 6 mil | Yellow | 50 bulk | 36 lbs. | 1.38 |
| XX Large 55" Length | 42700 | 4 mil | Blue | 50 bulk | 29 lbs. | 1.38 |
| | 42702 | 4 mil | White | 50 bulk | 29 lbs. | 1.38 |
| | 42704 | 4 mil | Yellow | 50 bulk | 29 lbs. | 1.38 |
| | 42701 | 6 mil | Blue | 50 bulk | 37 lbs. | 1.38 |
| | 42703 | 6 mil | White | 50 bulk | 37 lbs. | 1.38 |
| | 42705 | 6 mil | Yellow | 50 bulk | 37 lbs. | 1.38 |

VR™ ELASTIC CUFF GOWNS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|------------------------------|-----------|----------|--------|-----------|----------|------|
| Regular 45" Length | 42450 | 4 mil | Blue | 50 bulk | 19 lbs. | 1.38 |
| | 42452 | 4 mil | White | 50 bulk | 19 lbs. | 1.38 |
| | 42454 | 4 mil | Yellow | 50 bulk | 19 lbs. | 1.38 |
| | 42451 | 6 mil | Blue | 50 bulk | 25 lbs. | 1.38 |
| | 42453 | 6 mil | White | 50 bulk | 25 lbs. | 1.38 |
| | 42455 | 6 mil | Yellow | 50 bulk | 25 lbs. | 1.38 |
| Regular X Long 55" Length | 42480 | 4 mil | Blue | 50 bulk | 21 lbs. | 1.38 |
| | 42482 | 4 mil | White | 50 bulk | 21 lbs. | 1.38 |
| | 42484 | 4 mil | Yellow | 50 bulk | 21 lbs. | 1.38 |
| | 42488 | 4 mil | Red | 50 bulk | 21 lbs. | 1.38 |
| | 42481 | 6 mil | Blue | 50 bulk | 27 lbs. | 1.38 |
| | 42483 | 6 mil | White | 50 bulk | 27 lbs. | 1.38 |
| Large 50" Length | 42550 | 4 mil | Blue | 50 bulk | 22 lbs. | 1.38 |
| | 42552 | 4 mil | White | 50 bulk | 22 lbs. | 1.38 |
| | 42554 | 4 mil | Yellow | 50 bulk | 22 lbs. | 1.38 |
| | 42551 | 6 mil | Blue | 50 bulk | 30 lbs. | 1.38 |
| | 42553 | 6 mil | White | 50 bulk | 30 lbs. | 1.38 |
| | 42555 | 6 mil | Yellow | 50 bulk | 30 lbs. | 1.38 |
| Large X Long 55" Length | 42580 | 4 mil | Blue | 50 bulk | 22 lbs. | 1.38 |
| | 42582 | 4 mil | White | 50 bulk | 22 lbs. | 1.38 |
| | 42584 | 4 mil | Yellow | 50 bulk | 22 lbs. | 1.38 |
| | 42588 | 4 mil | Red | 50 bulk | 22 lbs. | 1.38 |
| | 42581 | 6 mil | Blue | 50 bulk | 30 lbs. | 1.38 |
| | 42583 | 6 mil | White | 50 bulk | 30 lbs. | 1.38 |
| X Large 50" Length | 42650 | 4 mil | Blue | 50 bulk | 22 lbs. | 1.38 |
| | 42652 | 4 mil | White | 50 bulk | 22 lbs. | 1.38 |
| | 42654 | 4 mil | Yellow | 50 bulk | 22 lbs. | 1.38 |
| | 42651 | 6 mil | Blue | 50 bulk | 31 lbs. | 1.38 |
| | 42653 | 6 mil | White | 50 bulk | 31 lbs. | 1.38 |
| | 42655 | 6 mil | Yellow | 50 bulk | 31 lbs. | 1.38 |
| X Large X Long 55" Length | 42680 | 4 mil | Blue | 50 bulk | 28 lbs. | 1.38 |
| | 42682 | 4 mil | White | 50 bulk | 28 lbs. | 1.38 |
| | 42684 | 4 mil | Yellow | 50 bulk | 28 lbs. | 1.38 |
| | 42688 | 4 mil | Red | 50 bulk | 28 lbs. | 1.38 |
| | 42681 | 6 mil | Blue | 50 bulk | 37 lbs. | 1.38 |
| | 42683 | 6 mil | White | 50 bulk | 37 lbs. | 1.38 |
| | 42685 | 6 mil | Yellow | 50 bulk | 37 lbs. | 1.38 |

VR™ Coverback Gowns



- 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 blue, white, yellow or green; 2 flexible sizes and 2 comfortable weights for a perfect fit
- Coverback gown design protects like a full coverage coat but with a ventilated back for added comfort.
- Standard or Cleanroom-packaged (for Class 100 controlled environments)



VR™ COVERBACK GOWN WITH ELASTIC CUFFS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------------------|-----------|----------|--------|-----------|----------|------|
| Large | 42850 | 4 mil | Blue | 50 bulk | 32 lbs. | 1.65 |
| | 42852 | 4 mil | White | 50 bulk | 32 lbs. | 1.65 |
| | 42851 | 6 mil | Blue | 50 bulk | 40 lbs. | 1.65 |
| | 42853 | 6 mil | White | 50 bulk | 40 lbs. | 1.65 |
| Large Extra Long | 42880 | 4 mil | Blue | 50 bulk | 34 lbs. | 1.65 |
| | 42882 | 4 mil | White | 50 bulk | 34 lbs. | 1.65 |
| | 42884 | 4 mil | Yellow | 50 bulk | 34 lbs. | 1.65 |
| | 42886 | 4 mil | Green | 50 bulk | 34 lbs. | 1.65 |
| X Large | 42950 | 4 mil | Blue | 50 bulk | 35 lbs. | 1.65 |
| | 42952 | 4 mil | White | 50 bulk | 35 lbs. | 1.65 |
| | 42951 | 6 mil | Blue | 50 bulk | 42 lbs. | 1.65 |
| | 42953 | 6 mil | White | 50 bulk | 42 lbs. | 1.65 |
| X Large Extra Long | 42980 | 4 mil | Blue | 50 bulk | 37 lbs. | 1.65 |
| | 42982 | 4 mil | White | 50 bulk | 37 lbs. | 1.65 |
| | 42984 | 4 mil | Yellow | 50 bulk | 37 lbs. | 1.65 |
| | 42986 | 4 mil | Green | 50 bulk | 37 lbs. | 1.65 |



VR™ Rainwear



- Naturally soft and lightweight
- 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



Overalls have convenient center button release buckles for comfort and ease of use



VR™ JACKETS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------|-----------|----------|--------|--------------------------|----------|------|
| Small | 50324 | 8 mil | Yellow | 12 (Individually Bagged) | 9 lbs. | .83 |
| Medium | 50424 | 8 mil | Yellow | 12 (Individually Bagged) | 10 lbs. | .83 |
| Large | 50524 | 8 mil | Yellow | 12 (Individually Bagged) | 11 lbs. | .83 |
| X Large | 50624 | 8 mil | Yellow | 12 (Individually Bagged) | 12 lbs. | .83 |
| XX Large | 50724 | 8 mil | Yellow | 12 (Individually Bagged) | 13 lbs. | 1.38 |
| XXX Large | 50824 | 8 mil | Yellow | 12 (Individually Bagged) | 14 lbs. | 1.38 |

VR™ JACKETS WITH HOOD

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------|-----------|----------|--------|--------------------------|----------|------|
| Small | 51324 | 8 mil | Yellow | 12 (Individually Bagged) | 10 lbs. | .83 |
| Medium | 51424 | 8 mil | Yellow | 12 (Individually Bagged) | 11 lbs. | .83 |
| Large | 51524 | 8 mil | Yellow | 12 (Individually Bagged) | 12 lbs. | 1.38 |
| X Large | 51624 | 8 mil | Yellow | 12 (Individually Bagged) | 13 lbs. | 1.38 |
| XX Large | 51724 | 8 mil | Yellow | 12 (Individually Bagged) | 14 lbs. | 1.38 |
| XXX Large | 51824 | 8 mil | Yellow | 12 (Individually Bagged) | 15 lbs. | 1.38 |

VR™ OVERALLS

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------|-----------|----------|--------|--------------------------|----------|------|
| Small | 53324 | 8 mil | Yellow | 12 (Individually Bagged) | 9 lbs. | .83 |
| Medium | 53424 | 8 mil | Yellow | 12 (Individually Bagged) | 10 lbs. | .83 |
| Large | 53524 | 8 mil | Yellow | 12 (Individually Bagged) | 11 lbs. | .83 |
| X Large | 53624 | 8 mil | Yellow | 12 (Individually Bagged) | 12 lbs. | .83 |
| XX Large | 53724 | 8 mil | Yellow | 12 (Individually Bagged) | 13 lbs. | 1.38 |
| XXX Large | 53824 | 8 mil | Yellow | 12 (Individually Bagged) | 14 lbs. | 1.38 |



Reinforced Material to help prevent breakdown



Jacket has extra-large snaps for convenience when wearing gloves



Jacket has storm flap for added moisture protection

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



Extra-large snaps for convenience when wearing gloves



Storm flap for added moisture protection



| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-------------|-----------|----------|--------|--------------------------|----------|------|
| Extra Large | 56624 | 8 mil | Yellow | 12 (Individually Bagged) | 17 lbs. | 1.38 |

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



VR™ Poncho



- 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

| Size | Stock No. | Material | Color | Case Pack | Case Wt. | Cube |
|-----------|-----------|----------|--------|--------------------------|----------|------|
| Universal | 56404 | 4 mil | Yellow | 24 (Individually Bagged) | 8 lbs. | .79 |

Custom color combinations are available in minimum quantity orders.
Contact your sales representative to request a quotation.



PolyWear™ Smooth Gowns

Now available in 7 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 Standard, 29, CFR Part 1910.1030
- Meets AAMI Levels 1-4
- 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



Green



Purple



Orange



Yellow



Red



White

PolyWear™
DISPOSABLES

"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





Tear-away back feature for quick gown removal



Thumb Loop



Individually folded and packaged in handy, compact dispenser containers. Ask about PolyCo's economical bulk packaging options.



Bulk Packaging



Double layer tie can be extended for adjustability

SMOOTH GOWNS

| Size | Packaging | Stock No. | Color | Case Pack | Case Wt. | Cube |
|----------|---------------------------------------|-----------|--------|--------------------|----------|------|
| Regular | Dispenser Boxed & Individually Bagged | 10400 | Blue | 5 Boxes of 20/case | 12 lbs. | .79 |
| | | 10402 | White | 5 Boxes of 20/case | 12 lbs. | .79 |
| | | 10404 | Yellow | 5 Boxes of 20/case | 12 lbs. | .79 |
| | Bulk/Individually Bagged | 10410 | Blue | 100/case | 11 lbs. | .63 |
| | | 10412 | White | 100/case | 11 lbs. | .63 |
| | | 10414 | Yellow | 100/case | 11 lbs. | .63 |
| | Bulk | 10420 | Blue | 100/case | 11 lbs. | .63 |
| | | 10422 | White | 100/case | 11 lbs. | .63 |
| | | 10424 | Yellow | 100/case | 11 lbs. | .63 |
| Large | Dispenser Boxed & Individually Bagged | 10500 | Blue | 5 Boxes of 15/case | 11 lbs. | .79 |
| | | 10502 | White | 5 Boxes of 15/case | 11 lbs. | .79 |
| | | 10504 | Yellow | 5 Boxes of 15/case | 11 lbs. | .79 |
| | Bulk/Individually Bagged | 10510 | Blue | 100/case | 13 lbs. | .63 |
| | | 10511 | Purple | 100/case | 13 lbs. | .63 |
| | | 10512 | White | 100/case | 13 lbs. | .63 |
| | | 10513 | Orange | 100/case | 13 lbs. | .63 |
| | | 10514 | Yellow | 100/case | 13 lbs. | .63 |
| | | 10516 | Green | 100/case | 13 lbs. | .63 |
| | | 10518 | Red | 100/case | 13 lbs. | .63 |
| | Bulk | 10520 | Blue | 100/case | 13 lbs. | .63 |
| | | 10521 | Purple | 100/case | 13 lbs. | .63 |
| | | 10522 | White | 100/case | 13 lbs. | .63 |
| | | 10523 | Orange | 100/case | 13 lbs. | .63 |
| | | 10524 | Yellow | 100/case | 13 lbs. | .63 |
| | | 10526 | Green | 100/case | 13 lbs. | .63 |
| | | 10528 | Red | 100/case | 13 lbs. | .63 |
| X Large | Dispenser Boxed & Individually Bagged | 10600 | Blue | 5 Boxes of 15/case | 12 lbs. | .79 |
| | | 10602 | White | 5 Boxes of 15/case | 12 lbs. | .79 |
| | | 10604 | Yellow | 5 Boxes of 15/case | 12 lbs. | .79 |
| | Bulk/Individually Bagged | 10610 | Blue | 75/case | 11 lbs. | .63 |
| | | 10612 | White | 75/case | 11 lbs. | .63 |
| | | 10614 | Yellow | 75/case | 11 lbs. | .63 |
| | Bulk | 10620 | Blue | 75/case | 11 lbs. | .63 |
| | | 10622 | White | 75/case | 11 lbs. | .63 |
| | | 10624 | Yellow | 75/case | 11 lbs. | .63 |
| XX Large | Bulk | 10720 | Blue | 75/case | 12 lbs. | .83 |
| | | 10722 | White | 75/case | 12 lbs. | .83 |

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

PolyWear™ Embossed Gowns



- 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 Standard, 29, CFR Part 1910.1030
- Meets AAMI Levels 1-4
- 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

PolyWear™
DISPOSABLES



“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



Individually folded and packaged in handy, compact dispenser containers. Ask about PolyCo's economical bulk packaging options.



Tear-away back feature for quick gown removal



Double layer tie can be extended for adjustability

EMBOSSED TEXTURE GOWNS

| Size | Packaging | Stock No. | Color | Case Pack | Case Wt. | Cube |
|---------|---------------------------------------|-----------|--------|--------------------|----------|------|
| Regular | Dispenser Boxed & Individually Bagged | 11400 | Blue | 5 Boxes of 20/case | 12 lbs. | .79 |
| | | 11402 | White | 5 Boxes of 20/case | 12 lbs. | .79 |
| | | 11404 | Yellow | 5 Boxes of 20/case | 12 lbs. | .79 |
| | Bulk/Individually Bagged | 11410 | Blue | 100/case | 11 lbs. | .83 |
| | | 11412 | White | 100/case | 11 lbs. | .83 |
| | | 11414 | Yellow | 100/case | 11 lbs. | .83 |
| | Bulk | 11420 | Blue | 100/case | 11 lbs. | .83 |
| | | 11422 | White | 100/case | 11 lbs. | .83 |
| | | 11424 | Yellow | 100/case | 11 lbs. | .83 |
| Large | Dispenser Boxed & Individually Bagged | 11500 | Blue | 5 Boxes of 15/case | 11 lbs. | .79 |
| | | 11502 | White | 5 Boxes of 15/case | 11 lbs. | .79 |
| | | 11504 | Yellow | 5 Boxes of 15/case | 11 lbs. | .79 |
| | Bulk/Individually Bagged | 11510 | Blue | 100/case | 13 lbs. | .83 |
| | | 11512 | White | 100/case | 13 lbs. | .83 |
| | | 11514 | Yellow | 100/case | 13 lbs. | .83 |
| | | 11515 | Pink | 100/case | 13 lbs. | .83 |
| | | 11516 | Green | 100/case | 13 lbs. | .83 |
| | | 11518 | Red | 100/case | 13 lbs. | .83 |
| | Bulk | 11520 | Blue | 100/case | 13 lbs. | .83 |
| | | 11522 | White | 100/case | 13 lbs. | .83 |
| | | 11524 | Yellow | 100/case | 13 lbs. | .83 |
| | | 11525 | Pink | 100/case | 13 lbs. | .83 |
| | | 11526 | Green | 100/case | 13 lbs. | .83 |
| | | 11528 | Red | 100/case | 13 lbs. | .83 |
| X Large | Dispenser Boxed & Individually Bagged | 11600 | Blue | 5 Boxes of 10/case | 10 lbs. | .79 |
| | | 11602 | White | 5 Boxes of 10/case | 10 lbs. | .79 |
| | | 11604 | Yellow | 5 Boxes of 10/case | 10 lbs. | .79 |
| | Bulk/Individually Bagged | 11610 | Blue | 50/case | 10 lbs. | .83 |
| | | 11612 | White | 50/case | 10 lbs. | .83 |
| | | 11614 | Yellow | 50/case | 10 lbs. | .83 |
| | Bulk | 11620 | Blue | 50/case | 10 lbs. | .83 |
| | | 11622 | White | 50/case | 10 lbs. | .83 |
| | | 11624 | Yellow | 50/case | 10 lbs. | .83 |

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

PolyWog™ Wipes & Spray



- 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



| WIPES | | | | | |
|-----------------------|-----------|--|-----------|----------|------|
| Product | Stock No. | Description | Case Pack | Case Wt. | Cube |
| PolyWog Wipes | 31300 | 300 - 8" x 12" towels per plastic bucket | 4 | 49 lbs. | 5.36 |
| PolyWog Refill Wipes | 31310 | 300 - 8" x 12" towels per plastic bag | 2 | 19 lbs. | .81 |
| SPRAY | | | | | |
| PolyWog Spray Cleaner | 31350 | One Quart Spray Bottle | 12 | 28 lbs. | .95 |

PolyWog™



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-resistance in cold work environments

VR™ Exceptional Cost Savings

- Longer wearing – 4-to-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, 29CFR 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 VRs™ chemical resistance and accidental exposure protection against industrial concentrations of hydrofluoric, hydrochloric, sulfuric, and nitric acids.

VR™ contains no plasticizers. This means that 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.

VR™ Product Performance

Physical Properties

Independent physical performance tests prove that VR™ is superior to vinyl. The Physical Properties Chart (at right) compares a 6 mil VR™ material to a heavier 8 mil vinyl material, demonstrating conclusively that VR™ material outperforms vinyl in all categories.



A liquid dishwashing detergent is most effective as a degreasing and cleaning agent.



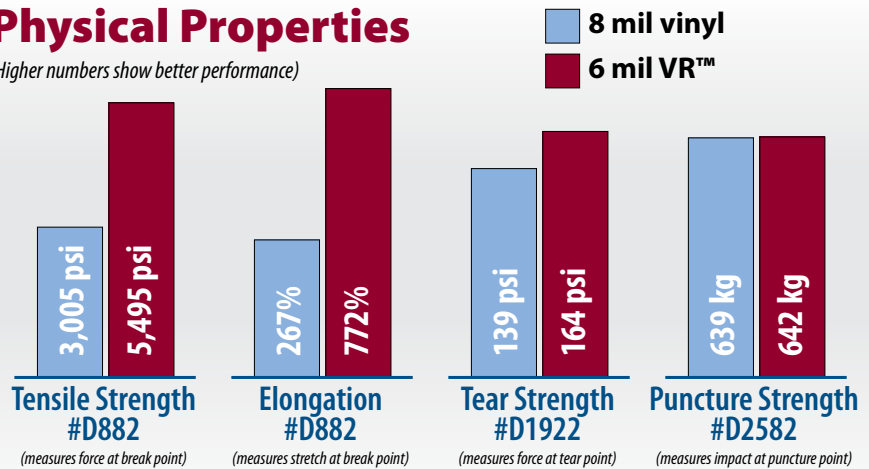
Spraying with warm water is an effective cleaning method.

Biological Contaminant Resistance

Personal protective clothing made from VR™ film material offers a natural non-stiffening resistance

Physical Properties

(Higher numbers show better performance)

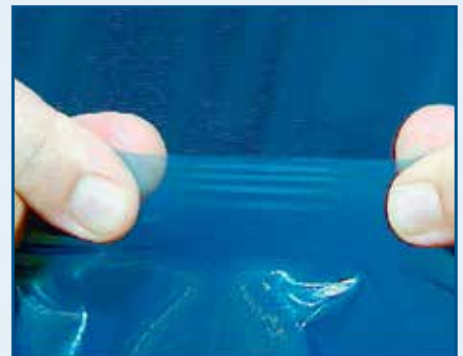


Note: Machine & Transverse Direction Values have been averaged to determine the result. All tests were conducted using ASTM procedures and measurements.

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.



Sewn edge of a vinyl apron



Stronger VR™ apron edge resists cracking and tearing versus the sewn edge of a vinyl apron that fails to prevent rips and tears.

VR™ Product Performance



Sulfuric acid exposure test show the exceptional properties of VR™ as compared to vinyl.

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.

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.

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.

VR™ vs. Vinyl Weight Comparison



6 mil VR™

6 mil Vinyl

VR™ is 30% lighter than Vinyl!

Softness Chart

(Lower numbers indicate softer material)

1% Secant
Modulus
#D882
(measures gauge of softness)

10,812 psi

8,078 psi

8 mil vinyl
6 mil VR™

Note: All tests were conducted using ASTM procedures and measurements.

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.

VR™ Cost Effectiveness

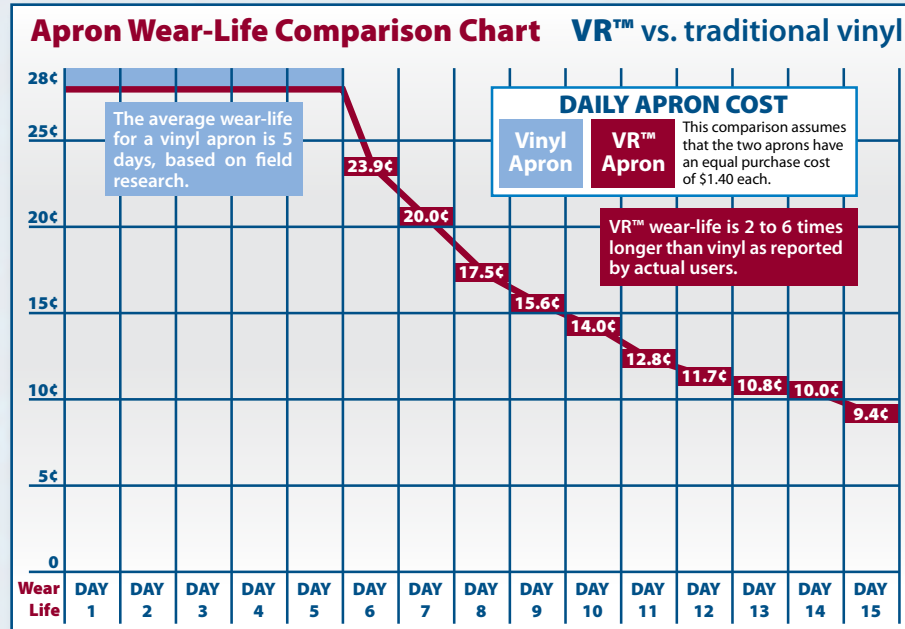
Wear Life

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.

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 grommeted 8 mil 45" vinyl apron per week for a total usage of 25,000 vinyl aprons. The plant replaces these vinyl aprons



Cleaning and care instructions on previous page.

with grommeted 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 reprocessors. 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.



VR™ Safety, Ergonomics & the Environment

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:

- Protective Sleeves (page 2)
- Sleeve Gloves (page 3)
- Boot Covers (page 4)
- Shoe Covers (page 5)
- Boot Shrouds (page 5)
- Die Cut Aprons (pages 6-7)

- Grommet Aprons (pages 8-9)
- Die-Cut Grommet Aprons (page 10)
- HD Grommet Apron (page 11)
- HD Adjustable Strap Apron (page 11)
- Thumb Loop Gowns (pages 12-13)
- Elastic Cuff Gowns (pages 12-13)
- Rainwear (page 15)
- Trench Coats (page 16)
- Ponchos (page 17)

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™ 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.



VR™ exhibits superior tear strength, elongation and puncture resistance.

Food Processing Industry

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.

VR™ Markets



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.

Medical Industry

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™ 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™

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

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.

PolyCo

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Toll Free: 888-893-3330
Fax: 217-893-3003

