



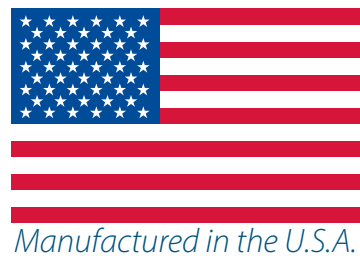
**GRAINGER**<sup>®</sup>  
||| FOR THE ONES WHO GET IT DONE

VR<sup>®</sup> PROTECTIVE WEAR  
POLYWEAR<sup>®</sup> DISPOSABLE GOWNS  
POLYWOG<sup>™</sup> WIPES

PRODUCT CATALOG FOR W. W. GRAINGER, INC.

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## VR® Gowns



### VR® Elastic Cuff Gowns

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Regular 45" Length	49NT88	42450	4 mil	● Blue	50 Bulk	19 lbs.
Regular X Long 55" Length	12Y497	42480	4 mil	● Blue	50 Bulk	21 lbs.
Large 50" Length	49NT89	42550	4 mil	● Blue	50 Bulk	22 lbs.
Large X Long 55" Length	12Y498	42580	4 mil	● Blue	50 Bulk	22 lbs.
X Large 50" Length	49NT90	42650	4 mil	● Blue	50 Bulk	22 lbs.
X Large X Long 55" Length	12Y499	42680	4 mil	● Blue	50 Bulk	28 lbs.



### VR® Thumb Loop Gowns

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Regular 45" Length	12Y494	42400	4 mil	● Blue	50 bulk	18 lbs.
Large 50" Length	12Y495	42500	4 mil	● Blue	50 bulk	21 lbs.
X Large 55" Length	12Y496	42600	4 mil	● Blue	50 bulk	27 lbs.

Available in a wide variety of sizes and lengths.

Also available in white, yellow or red.\*

2 comfortable designs for arm coverage/attachment 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.

\*Items available through Grainger Sourcing only



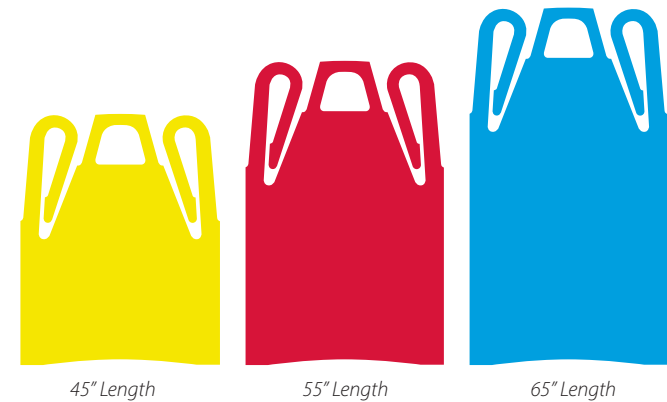
Also available in white, yellow or red.\*

\*Items available through Grainger Sourcing only

# VR® Die-Cut Aprons

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 45"	12Y507	46400	4 mil	● Blue	100 bulk	18 lbs.
	787AY4	46402	4 mil	○ White	100 bulk	18 lbs.
	787AY5	46404	4 mil	● Yellow	100 bulk	18 lbs.
	12Y509	46401	6 mil	● Blue	100 bulk	26 lbs.
	787AY6	46403	6 mil	○ White	100 bulk	26 lbs.
	787AY7	46405	6 mil	● Yellow	100 bulk	26 lbs.
	12Y511	46420	8 mil	● Blue	50 bulk	16 lbs.
	787AY8	46422	8 mil	○ White	50 bulk	16 lbs.
	12Z596	46424	8 mil	● Yellow	50 bulk	16 lbs.
35" x 55"	12Y508	46500	4 mil	● Blue	100 bulk	23 lbs.
	787AY9	46502	4 mil	○ White	100 bulk	23 lbs.
	787AZ0	46504	4 mil	● Yellow	100 bulk	23 lbs.
	12Y510	46501	6 mil	● Blue	100 bulk	30 lbs.
	787AZ1	46503	6 mil	○ White	100 bulk	30 lbs.
	787AZ2	46505	6 mil	● Yellow	100 bulk	30 lbs.
	12Z597	46520	8 mil	● Blue	50 bulk	21 lbs.
	787AZ3	46522	8 mil	○ White	50 bulk	21 lbs.
	12Z598	46524	8 mil	● Yellow	50 bulk	21 lbs.
35" x 65"	787AZ4	46600	4 mil	● Blue	100 bulk	27 lbs.
	787AZ5	46602	4 mil	○ White	100 bulk	27 lbs.
	787AZ6	46604	4 mil	● Yellow	100 bulk	27 lbs.
	787AZ7	46601	6 mil	● Blue	100 bulk	35 lbs.
	787AZ8	46603	6 mil	○ White	100 bulk	35 lbs.
	787AZ9	46605	6 mil	● Yellow	100 bulk	35 lbs.
	787C01	46620	8 mil	● Blue	50 bulk	26 lbs.
	787C02	46622	8 mil	○ White	50 bulk	26 lbs.
	787C03	46624	8 mil	● Yellow	50 bulk	26 lbs.
35" x 60" w/ Belly Patch	787C04	46124	8 mil	● Yellow	48 (4/12's)	16 lbs.

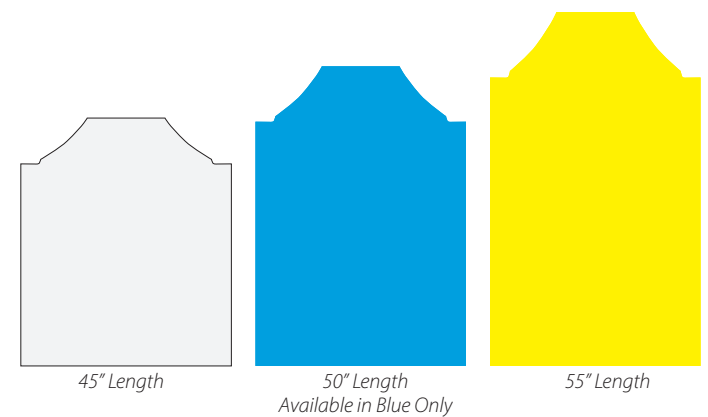
Economical and lightweight one-piece comfort construction. Eliminates separate ties to avoid contamination problems. Ideal for critical and controlled environments. Available in blue, white, yellow. 3 lengths provide optimum protection for every application. Bulk packaging is standard. Cleanroom-packaging (for critical environments) is available.\*  
\*Items available through Grainger Sourcing only



# VR® Grommet Aprons

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 45" with ties	12Y501	45400	4 mil	● Blue	100 bulk	22 lbs.
	787C05	45402	4 mil	○ White	100 bulk	22 lbs.
	12Y502	45404	4 mil	● Yellow	100 bulk	22 lbs.
	12Y505	45401	6 mil	● Blue	100 bulk	33 lbs.
	787C06	45403	6 mil	○ White	100 bulk	33 lbs.
	787C07	45405	6 mil	● Yellow	100 bulk	33 lbs.
	787C08	45420	8 mil	● Blue	50 bulk	20 lbs.
	787C09	45422	8 mil	○ White	50 bulk	20 lbs.
	787C10	45424	8 mil	● Yellow	50 bulk	20 lbs.
	35" x 50" with ties	787C11	45000	4 mil	● Blue	100 bulk
787C12		45001	6 mil	● Blue	100 bulk	36 lbs.
787C13		45020	8 mil	● Blue	50 Bulk	23 lbs.
35" x 55" with ties	12Y503	45500	4 mil	● Blue	100 bulk	28 lbs.
	787C14	45502	4 mil	○ White	100 bulk	28 lbs.
	12Y504	45504	4 mil	● Yellow	100 bulk	28 lbs.
	787C15	45501	6 mil	● Blue	100 bulk	37 lbs.
	787C16	45503	6 mil	○ White	100 bulk	37 lbs.
	787C17	45505	6 mil	● Yellow	100 bulk	37 lbs.
	12Y506	45520	8 mil	● Blue	50 bulk	26 lbs.
	787C18	45522	8 mil	○ White	50 bulk	26 lbs.
	787C19	45524	8 mil	● Yellow	50 bulk	26 lbs.

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, yellow or green. Additional colors are available in 50-case minimum quantity orders.\* 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.\*  
\*Items available through Grainger Sourcing only



# VR® Die-Cut Grommet Aprons



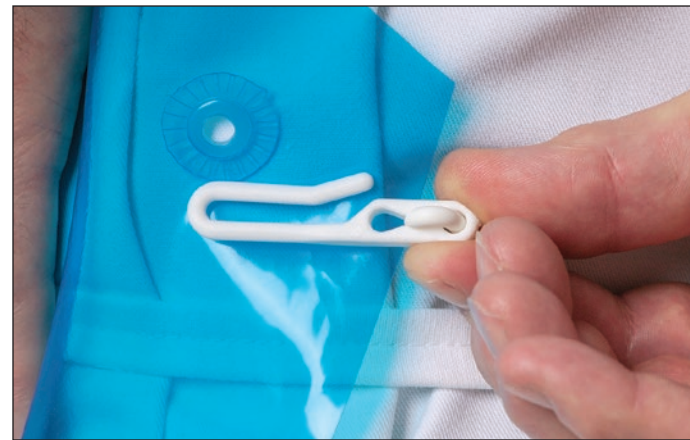
Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 55"	787C20	48520	8 mil	● Blue	60 (5 packs of 12)	25 lbs.
	787C21	48522	8 mil	○ White	60 (5 packs of 12)	25 lbs.
	787C22	48524	8 mil	● Yellow	60 (5 packs of 12)	25 lbs.
	29UW23	48500	12 mil	● Blue	48 (4 packs of 12)	32 lbs.
	29UW24	48502	12 mil	○ White	48 (4 packs of 12)	32 lbs.
	29UW25	48504	12 mil	● Yellow	48 (4 packs of 12)	32 lbs.

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.



Standard elastic cord & hook system.



Optional polyester tie with reinforced grommet.

# VR® Heavy Duty Aprons



Adjustable neck strap for added comfort.

## VR® HD Adjustable Strap Apron

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 48"	787C24	47500	12 mil	● Blue	24 individually bagged	16 lbs.

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.



## VR® HD Grommet Apron

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
35" x 48"	787C23	45100	12 mil	● Blue	48 (4 packs of 12)	22 lbs.

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.

# VR® Trough Gowns

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Regular 45" Length	49NT92	43450	4 mil	Blue	50 bulk	19 lbs.
Large 50" Length	49NT93	43550	4 mil	Blue	50 bulk	21 lbs.
X Large 50" Length	49NT91	43650	4 mil	Blue	50 bulk	22 lbs.

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 runoff 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.\*

\*Items available through Grainger Sourcing only



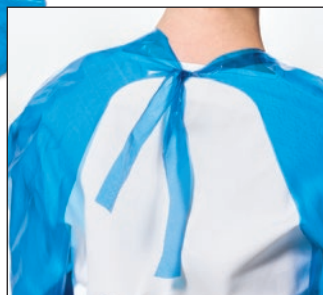
Wrap-around hem on regular size.



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



High neckline tie for secure protection.



# PolyWear® Embossed Gowns

## Embossed 1mil Gowns

Size	Packaging	Grainger No.	Stock No.	Color	Case Pack	Case Wt.
Large	Dispenser Boxed	12Z609	11500	Blue	5 Boxes, 15/case	11 lbs.
	& Individually Bagged	12Z610	11502	White	5 Boxes, 15/case	11 lbs.
Bulk/Individually Bagged		12Z611	11510	Blue	100/case	13 lbs.
		12Z612	11512	White	100/case	13 lbs.

Lightly embossed texture throughout gown surface.

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

In compliance with OSHA Bloodborne Pathogen Standard (1910.1030).

Minimal & High-Risk Gowns – ASTM/AMMI PB70 Levels 1-4.

FDA 510(k) Clearance No. K925077 Isolation Gowns.

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.

Proprietary design redirects stress to the film material not to the thermal seals.

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

Provides liquid and aerosol blood resistance.

Lightweight, lintless construction



Convenient dispenser



Bulk Packaging



Easy tear-away for quick gown removal and safe disposal

# VR® Sleeves



Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
18" Std.	12Y489	41800	4 mil	● Blue	150 bulk (75 pair)	8 lbs.
	787AV8	41802	4 mil	○ White	150 bulk (75 pair)	8 lbs.
	12Y490	41804	4 mil	● Yellow	150 bulk (75 pair)	8 lbs.
	12Y491	41801	6 mil	● Blue	150 bulk (75 pair)	12 lbs.
	787AV9	41803	6 mil	○ White	150 bulk (75 pair)	12 lbs.
	12Y492	41805	6 mil	● Yellow	150 bulk (75 pair)	12 lbs.
18" Wide	787AW0	41850	4 mil	● Blue	150 bulk (75 pair)	9 lbs.
	787AW2	41852	4 mil	○ White	150 bulk (75 pair)	9 lbs.
	787AW4	41854	4 mil	● Yellow	150 bulk (75 pair)	9 lbs.
	787AW1	41851	6 mil	● Blue	150 bulk (75 pair)	14 lbs.
	787AW3	41853	6 mil	○ White	150 bulk (75 pair)	14 lbs.
	787AW5	41855	6 mil	● Yellow	150 bulk (75 pair)	14 lbs.
24" Shoulder Length	12Y493	41900	4 mil	● Blue	150 bulk (75 pair)	10 lbs.

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 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. \*Items available through Grainger Sourcing only



# VR® Sleeve Gloves



50 Series: 11 mil thick, unlined

Series	Size	Grainger No.	Stock No.	Color	Case Pack	Case Wt.
50	7: Small	29UW20	41350	Blue/Green	100 (50 pair, bagged)	10 lbs.
	8: Medium	29UW21	41450	Blue/Green	100 (50 pair, bagged)	10 lbs.
	9: Large	29UW22	41550	Blue/Green	100 (50 pair, bagged)	10 lbs.
	10: X Large	410X61	41650	Blue/Green	100 (50 pair, bagged)	11 lbs.

Unique fusion of a nitrile glove and a VR® 6 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.

# PolyWog™ Wipes

Product	Grainger No.	Stock No.	Description	Case Pack	Case Wt.
PolyWog® Wipes	12Z608	31300	300 wipes/bucket	4 Buckets/case	49 lbs.

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.



# VR® Boot Covers



Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Regular w/ Elastic Top	787AW6	49350	4 mil	● Blue	100 bulk (50 pair)	8 lbs.
	787AW7	49354	4 mil	● Yellow	100 bulk (50 pair)	8 lbs.
	787AW8	49356	4 mil	○ Clear	100 bulk (50 pair)	8 lbs.
	787AW9	49351	6 mil	● Blue	100 bulk (50 pair)	11 lbs.
	122602	49355	6 mil	● Yellow	100 bulk (50 pair)	11 lbs.
	787AX0	49357	6 mil	○ Clear	100 bulk (50 pair)	11 lbs.
Large w/ Elastic Top	787AX1	49550	4 mil	● Blue	100 bulk (50 pair)	9 lbs.
	787AX2	49554	4 mil	● Yellow	100 bulk (50 pair)	9 lbs.
	787AX3	49556	4 mil	○ Clear	100 bulk (50 pair)	9 lbs.
	787AX4	49551	6 mil	● Blue	100 bulk (50 pair)	13 lbs.
	122603	49555	6 mil	● Yellow	100 bulk (50 pair)	13 lbs.
	787AX5	49557	6 mil	○ Clear	100 bulk (50 pair)	13 lbs.

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

\*Items available through Grainger Sourcing only



## 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.

PolyCo's 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® Shoe Covers & Shrouds

## VR® Shoe Covers

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Regular w/ Elastic Top	122599	49310	4 mil	● Blue	200 bulk (100 pair)	9 lbs.
	787AX6	49314	4 mil	● Yellow	200 bulk (100 pair)	9 lbs.
	787AX7	49316	4 mil	○ Clear	200 bulk (100 pair)	9 lbs.
	787AX8	49311	6 mil	● Blue	200 bulk (100 pair)	13 lbs.
	787AX9	49317	6 mil	○ Clear	200 bulk (100 pair)	13 lbs.
	Large w/ Elastic Top	122601	49510	4 mil	● Blue	200 bulk (100 pair)
787AY0		49514	4 mil	● Yellow	200 bulk (100 pair)	12 lbs.
787AY1		49516	4 mil	○ Clear	200 bulk (100 pair)	12 lbs.
787AY2		49511	6 mil	● Blue	200 bulk (100 pair)	18 lbs.
410X62		49515	6 mil	● Yellow	200 bulk (100 pair)	18 lbs.
787AY3		49517	6 mil	○ Clear	200 bulk (100 pair)	18 lbs.

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.\*

\*Items available through Grainger Sourcing only



## VR® Boot Shrouds

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Universal w/ Elastic Top	410X63	58100	4 mil	● Blue	100 bulk (50 pair)	6 lbs.

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® Jackets

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Large	12Z604	50524	8 mil	Yellow	12 (individually bagged)	11 lbs.
X Large	12Z606	50624	8 mil	Yellow	12 (individually bagged)	12 lbs.

## VR® Overalls

Size	Grainger No.	Stock No.	Material	Color	Case Pack	Case Wt.
Large	12Z605	53524	8 mil	Yellow	12 (individually bagged)	11 lbs.
X Large	12Z607	53624	8 mil	Yellow	12 (individually bagged)	12 lbs.

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.



Available with and without hood.



Quick release buckles



Cross-straps for comfort

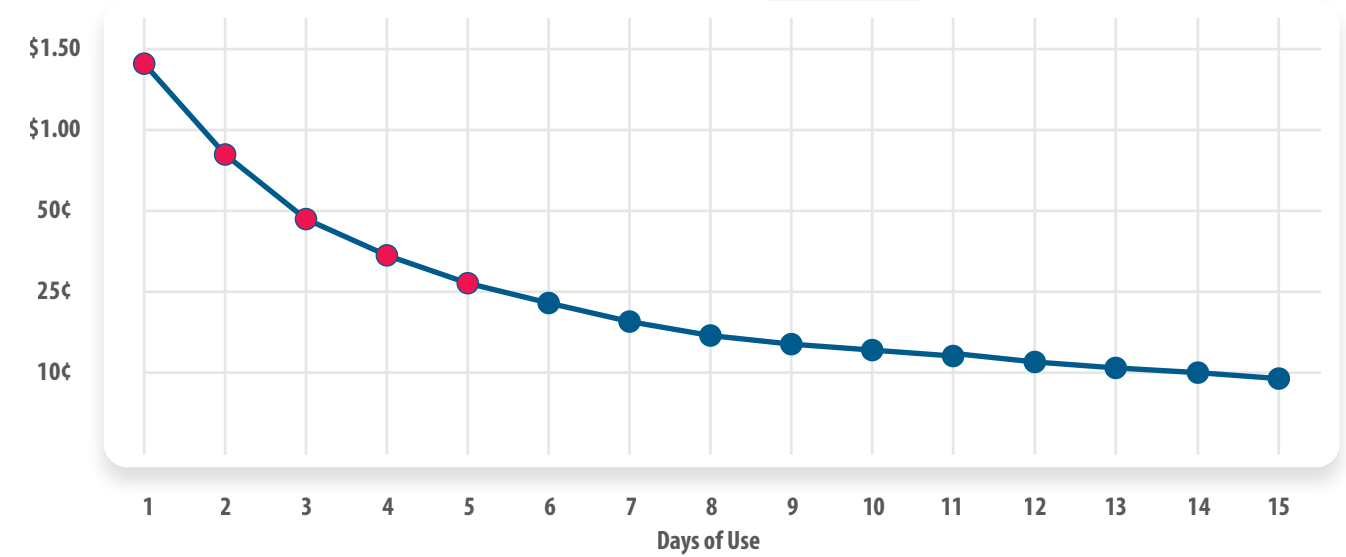


Large snaps with storm flap



Reinforced construction

## Daily Apron Cost



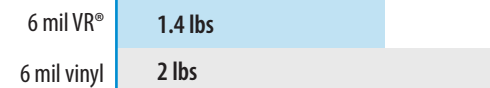
Initial cost of apron: \$1.40 each

● 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:



VR® is 30% lighter than comparable vinyl.

### Softness Comparison:



All tests were conducted using ASTM procedures and measurements. Lower values indicate better performance.

## 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.

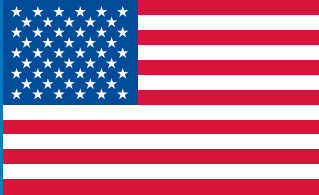


VR® weighs 30% less than vinyl.



# **GRAINGER<sup>®</sup>**

**FOR THE ONES WHO GET IT DONE**



*Manufactured in the U.S.A.*  
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