



Cool... Comfortable...Safe...<sup>©</sup>



Q-Gard Quantumwear<sup>®</sup> is the newest addition to the QPA<sup>™</sup> family of products. Q-Gard Quantumwear<sup>®</sup> has been developed to incorporate attributes from our two industry leading protective garments, Q-Gard Comfortwear<sup>®</sup> and Barrierwear<sup>®</sup>. Through focus groups and interviews with end users, we have created a patented product that addresses every-day, real life challenges for a number of environments. This product also offers a high level of particle hold without sacrificing breathability of the garment.

### Features and Benefits

- Two dosimeter/doffing straps on chest for **reduced risk of contamination around the neck while doffing**
- Larger hood with blue flap cover and doffing straps for increased mobility, visibility, comfort, and ease of doffing
- Elbows and knees reinforced with an additional layer for reduced bleed-through contamination

### Applications

Medical Isolation, EMT, Hospitals, Pharmaceutical Production, Food Processing, Nuclear D&D, Rad-Con, Asbestos, Lead, and Mold Abatement, General Maintenance, Clean Rooms, Dusty Environments

### Why it Works

- Patented closure and doffing system helps prevent self contamination while removing the suit
- New Hood Design hugs PAPR (Powered Air Purifying Respirator) and full face masks closely for a snug fit, reducing over-taping and leakage control.
- All Q-Gard Quantumwear<sup>®</sup> seams are double stitched and bound, greatly enhancing seam strength and integrity
- Reinforced Knees and Elbows reduce contamination bleed-throughs
- Highest **breathability** teamed with **highest particle hold out** means **less heat stress** and **better contamination control** in remediation environments



Q-Gard Quantumwear<sup>®</sup> is a registered trademark of Quest Environmental & Safety Products, Inc. and is patented US 8,621,669.

(DISCLAIMER : QUANTUMWEAR is a splash RESISTANT suit made from splash resistant yet breathable fabric, and should not be used as a splash proof or liquid proof garment.)



Watch videos of particle hold-out and splash tests at YouTube: <http://youtu.be/hikrZwl134o>

G/O Corporation  
800-933-8501  
[www.gocorp.com](http://www.gocorp.com)



Environmental & Safety Products, Inc.



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**Q-Gard Quantumwear<sup>®</sup> Properties**

Technical properties	Method	Unit	Q-Gard Quantumwear <sup>®</sup> Body	Knees / Elbows
Material Manufacturer	NA	NA	Quest	Quest
Weight	ASTM D3776	OSY	1.5	1.8
Fiber Composition	NA	NA	100% PP	PP/PE Microporous Laminate
Grab Tensile strength	ASTM D5034	lb./in MD	36	29.8
Elongation	ASTM D5034	lb./in CD	21	31.5
		% MD	82	65.8
		% CD	100	76.7
Trap Tear	ASTM D5733	lb./in MD	19	10.3
Mullen Burst	ASTM D3786-87	lb./in CD	10	10.2
		psi	32	42
Mullen Burst	ASTM D3786-87	psi	32	42
Hydrostatic Head	AATCC I27	cm	62	110
MVTR (50%HR @ 90°F)	ASTM E-96	grams/24h/m <sup>2</sup>	5,200 - 6,200	3,400
Air Permeability	ASTM D737	ft <sup>3</sup> /min/ft <sup>2</sup>	33	Data N/A
Static Decay	NFPA 99	<0.5 sec	Pass	Pass
Resistance to Ignition	I6CFRI610	Class I	Pass	Pass
Linting ( > 0.5mm)	Helmke Drum			
Resistance to Puncture	IES-RP-CC-003.2	Particle / min	243.2	760
Filtration Efficiency	ASTM F1342-91	lbs.	1.1	1.3
Bacterial Filtration Efficiency	Latex Particle Challenge	% @ 1.0µ	77	No Permeation
	Staphylococcus	% @ 3.0µ	94.4	No Permeation

**Q-Gard Quantumwear<sup>®</sup> Hood & Boot – White**

Size	Part#
L	GX1674 Lrg
XL	GX1674 XL
2XL	GX1674 2XL
3XL	GX1674 3XL
4XL	GX1674 4XL
5XL	GX1674 5XL
6XL	GX1674 6XL



**Q-Gard Quantumwear<sup>®</sup> No Hood, No Boot – White**

Size	Part#
L	GX1673 Lrg
XL	GX1673 XL
2XL	GX1673 2XL
3XL	GX1673 3XL
4XL	GX1673 4XL
5XL	GX1673 5XL
6XL	GX1673 6XL



**Q-Gard Quantumwear<sup>®</sup> Separate Hood, White One Size Part # GX1679**



**Q-Gard Quantumwear<sup>®</sup> Separate Boot – White One Size Part # GX1687**



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G/O Corporation is a distributor for Quest Environmental. Contact G/O at 800-933-8501



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Visit [www.quantumwearsuit.com](http://www.quantumwearsuit.com)

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