



## Designed by Hazmat Professionals for Hazmat Professionals.

*NFPA 1991 certified, comfortable, reusable*

ONESuit® Gard is engineered to meet the protection and comfort needs of those working in the most dangerous environments.

The marriage of Saint-Gobain Performance Plastics' technical expertise to real-world input from hazmat professionals has produced the single-skin ONESuit® Gard.

### ONESuit® Gard Features

- Certified to NFPA 1991 (2005 ed.) Liquefied gas
- Maximum protection against chemical and biological agents
- Ultra-lightweight design for maximum user comfort
- TWICE the lifecycle of other suits
- 15-year MINIMUM shelf life
- No overcover
- Reusable and decontaminable
- Detachable secondary visor
- Internal belting system
- Knee reinforcements and integral booties
- Includes ONEGlove® Hazmat

### ONESuit® Gard Sizes

Product Code	Suit Size	Glove Size	Boot Size
1S-A-SM	Small	8 (Medium)	6-9
1S-A-MD	Medium	9 (Large)	8-13
1S-A-LG	Large	9 (Large)	8-13
1S-A-XL	X-Large	10 (X-Large)	9-14
1S-A-2X	XX-Large	10 (X-Large)	10-15
1S-A-3X	XXX-Large	11 (XX-Large)	10-15



**CHALLENGE®**  
Composite Fabrics

  
**SAINT-GOBAIN**  
PERFORMANCE PLASTICS

For more than four decades, Saint-Gobain Performance Plastics and its family of companies — including CHEMFAB, makers of the Challenge® line of technical fabrics — have supplied the world with innovative, high-performance polymer products for the most demanding applications.

Saint-Gobain is one of the world's top 100 industrial corporations, with a tradition of excellence dating back more than 300 years.

The company has a strong and ongoing commitment to quality, leadership and customer service in the five major industrial sectors in which it operates: Construction Products, High-Performance Materials, Flat Glass, Packaging and Building Distribution.



## ONESuit® Gard Sizes

ONESuit® Gard Product Code	Suit Size	ONEGlove® Hazmat Standard Size	Recommended Boot Size
1S-A-SM	Small	8 (Medium)	6-9
1S-A-MD	Medium	9 (Large)	8-13
1S-A-LG	Large	9 (Large)	8-13
1S-A-XL	X-Large	10 (X-Large)	9-14
1S-A-2X	XX-Large	10 (X-Large)	10-15
1S-A-3X	XXX-Large	11 (XX-Large)	10-15

## Size Guidelines

Suit Size	Height (in.)	Weight (lbs.)
Small	60 - 64	100 - 130
Medium	64 - 68	130 - 180
Large	68 - 72	140 - 210
X-Large	72 - 76	180 - 230
XX-Large	74 - 78	210 - 260
XXX-Large	76 - 80	240 - 290

These measurements are only guidelines. Please consult a Saint-Gobain Performance Plastics representative if unsure of your optimal size.

## Chemical Test Data

Chemical/Agent	Test Method	NFPA Req't	Garment Material Flex/Abraded	Visor Material Pristine	Visor Seam Pristine	Garment Seam Pristine
acetone	ASTM F 739	Time to Breakthrough 0.10 µg/cm²/min (60 minutes minimum)	>480	>480	>480	>480
acetonitrile			>480	>480	>480	>480
anhydrous ammonia (g)			>480	>480	>480	>480
1,3-butadiene (g)			>480	>480	>480	>480
carbon disulfide			>480	>480	>480	>480
chlorine (g)			>480	>480	>480	>480
dichloromethane			>480	>480	>480	>480
diethyl amine			>480	>480	>480	>480
dimethyl formamide			>480	>480	>480	>480
ethyl acetate			>480	>480	>480	>480
ethylene oxide (g)			>480	>480	>480	>480
hexane			>480	>480	>480	>480
hydrogen chloride (g)			>480	>480	>480	>480
methanol			>480	>480	>480	>480
methyl chloride (g)			>480	>480	>480	>480
nitrobenzene			>480	>480	>480	>480
sodium hydroxide			>480	>480	>480	>480
sulfuric acid			>480	>480	>480	>480
tetrachloroethylene			>480	>480	>480	>480
tetrahydrofuran			>480	>480	>480	>480
toluene			>480	>480	>480	>480
cyanogen chloride (ck)			>480	>480	>480	>480
carbonyl chloride (cg)			>480	>480	>480	>480
hydrogen cyanide (kboh)			>480	>480	>480	>480
dimethyl sulfate			>480	>480	>480	>480
hydrogen fluoride (hif)			>480	NA	NA	NA
sarin		< .125 µg/cm² after 1 hr	.406 after 8 hrs	.039 after 8 hrs	.036 after 8 hrs	.001 after 8 hrs
distilled mustard (ftd)		< 4.0 µg/cm² after 1 hr	.147 after 8 hrs	.048 after 8 hrs	.023 after 8 hrs	.038 after 8 hrs

ONESuit® Gard is currently certified to:



Certified Model – NFPA 1991 (2005 ed.)



**ELLIOTTS**



QUALITY  
SAFETY  
GEAR

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www.elliotts.net

