

PERSONAL PROTECTIVE EQUIPMENT



ONESuit® HazGlove-91

Artticle No.: 51159SG339

HazGlove-91 from Saint-Gobain Performance Plastics is the revolutionary protective glove that combines incredible dexterity with superior protection against cuts and punctures, chemical/biological agents, industrial solvents and chemicals, and flash fires.

Our decades of experience on the leading edge of fabric technology enabled us to create a lightweight, one-piece hazmat glove that's easy to put on and take off, works with virtually all protective suits, and is so flexible that carrying out manual tasks is much easier than with standard multi-glove systems.



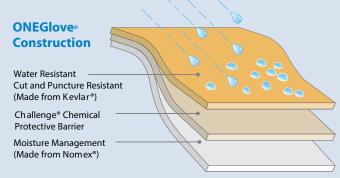






NFPA 1991-2016/2016-01-01

- -Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies and CBRN Terrorism Incidents.
- -Also Classified for Limited Chemical Flash Fire Protection.



A unique manufacturing process, using only materials that have passed the most rigorous testing, combines multiple layers of protection in a single glove. The integrated moisture management liner keeps your hands dry and comfortable.



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.

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ONEGlove® Hazmat Protective Glove

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ONEGlove • Size Chart

Hand Size	Size Glove	Product Code (OEM-Specific Cuff)	Product Code (Universal Cuff)
Small	7	22410M	22403 M
Medium	8	2241 1 M	22404M
Large	9	22412M	22405M
x-Large	10	22413M	22406 M
xx-Large	11	22414M	22407M



l+c*

Performance: Certification Testing

NFPA 1991-2016/ NFPA 1994-2007				
PHYSICAL PROPERTIES	METHOD	REQUIREMENT	RESULT	
Cut Resistance (mm)	ASTM F 1790	25.0 min	>50.0	
Puncture Resistance (kg)	ASTM F 1342	4.0 min	>14.0	
Flammability Resistance – After Flame Time (sec)	ASTM F 1358	10.0 max after 12-sec exposure	0.0	
Flammability Resistance – Char Length (in)	ASTM F 1358	4.0 max	<1.5	
Liquid-Tight Integrity (Pass/Fail)	ASTM D 5151	No leakage after 1hour	PASS	
Chemical Permeation (after Flex and Abrasion)				

– Char Length (in)					
Liquid-Tight Integrity (Pass/Fail)	ASTM D 5151	No leakage after 1	hour	PASS	
Chemical Permeation (after Flex and A	brasion)				
Acetone				>200	
Acetonitrile				>480	
Anhydrous Ammonia (G)				>480	
1,3-Butadiene (G)				>480	
Carbon Disulfide				>480	
Chlorine (G)				>480	
Dichloromethane				>480	
Dimethyl Amine				>480	
Dimethyl Formamide				>480	
Ethyl Acetate				>480	
Ethylene Oxide (G)				>480	
Hexane				>480	
Hydrogen Chloride (G)				>480	
Methanol				>480	
Methyl Chloride (G)	ı			>480	
Nitrobenzene	ASTM F739	Time to breakt		>480	
Sodium Hydroxide		0.10 µg/cm ² /m (60 minutes m		>480	
Sulfuric Acid		(oo minates iii	,	>480	
Tetrachloroethylene				>100	
Tetrahydrofuran				>100	
Toluene				>480	
Cyanogen Chloride (CK)				>60*	
Carbonyl Chloride (CG)				>60*	
Hydrogen Cyanide (HCN)				>60*	
Dimethyl Sulfate				>480	
Sarin (SB)		Cumulative Permea	ition	>120	
Nerve Agent (VX)	ASTM F739	<1.25 µg/cm² (after 1hour)		>480	
Distilled Mustard (DM)		Cumulative Perm	ation	>480	
Lewisite (L)		<4.0 μ g/cm² (after	1 hour)	>60	
*Testing stopped at 60 minutes					

*Testing stopped at 60 minutes

ONEGlove • — Puncture Test Results*
Force to puncture (Per NFPA 1994, 2007 Edition) ONEGlove* Performance:
>5x Competition and >6x NFPA 1994 Requirement
35
30
(g) 25 - 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
20 -
(a) peo Pool Poil Pool Pool Pool Pool Pool Poo
10 -
5 -
14-mil 25-mil 35-mil Typical ONeGlove* Butyl Butyl Butyl 3-glove System
ONESCHALL CONTROL PROVIDENT
ONEGlove • — Cut Test Results* Producing cut > 25 mm (Per NFPA 1994, 2007 Edition)
ONEGlove Performance: >5x Competition and NFPA 1994 Requirement
1200
1000
(b) D 800

*			
ADDITIONAL TESTS PERFORMED			
PHYSICAL PROPERTIES	METHOD	REQUIREMENT	RESULT
Donning Time (sec)	NFPA	10.0 max	<3.0
Hand Function (% Bare-Handed Control)	NFPA	300 min	<200
Thermal Protective Performance (cal/cm ²)	NFPA	35.0 min	>35.0 / >44.0 **
Flammability Resistance – After Flame Time (sec)	NFPA	2.0 max	0.0
Flammability Resistance – Char Length (in)	NFPA	4.0 max	<1.5
Laundry Shrinkage (% of both length and width after 5 launderings)	AATCC 135	8.0 max	<1.5

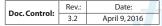


14-mil 25-mil 35-mil Typical ONeGlove® Butyl Butyl Butyl 3-glove

*Date of testing: March 2005



**As tested after 5 laundering



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800 Applied Load (