

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.



Saint-Gobain Performance Plastics
701 Daniel Webster Highway
Merrimack, NH 03054
Tel: 603.424.9000
Fax: 603.424.9044
Technical and Customer Services:
800.451.6101
www.onesuittec.com

ONEGlove® Size Chart*

Hand Size	Glove Size	Product Code (OEM-Specific Cuff)	Product Code (Universal Cuff)
Small	7	22410M	22403M
Medium	8	22411M	22404M
Large	9	22412M	22405M
x-Large	10	22413M	22406M
xx-Large	11	22414M	22407M

Performance: Certification Testing

NFPA 1991-2005 / NFPA 1992-2005 / NFPA 1994-2007			
PHYSICAL PROPERTIES	METHOD	REQUIREMENT	RESULT
Cut Resistance (mm)	ASTM F1790	25.0 min	>50.0
Puncture Resistance (kg)	ASTM F1342	4.0 min	>14.0
Flammability Resistance – After Flame Time (sec)	ASTM F1358	10.0 max after 12-sec exposure	0.0
Flammability Resistance – Char Length (in)	ASTM F1358	4.0 max	<1.5
Liquid-Tight Integrity (Pass/Fail)	ASTM D5151	No leakage after 1 hour	PASS
Chemical Permeation (after Flex and Abrasion)			
Acetone			>200
Acetonitrile			>480
Ammonia			>480
1,3-Butadiene			>480
Carbon Disulfide			>480
Chlorine			>480
Dichloromethane			>480
Dimethyl Amine			>480
Dimethyl Formamide			>480
Ethyl Acetate			>480
Ethylene Oxide			>480
Hexane			>480
Hydrogen Chloride			>480
Methanol			>480
Methyl Chloride			>480
Nitrobenzene	ASTM F739	Time to breakthrough 0.10 µg/cm ² /min (60 minutes min)	>480
Sodium Hydroxide			>480
Sulfuric Acid			>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 Permeation <1.25 µg/cm ² (after 1 hour)	>120
Nerve Agent (VX)			>480
Distilled Mustard (DM)	ASTM F739	Cumulative Permeation <4.0 µg/cm ² (after 1 hour)	>480
Lewisite (L)			>60

*Testing stopped at 60 minutes

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

**As tested after 5 launderings

ONEGlove® is currently certified to:

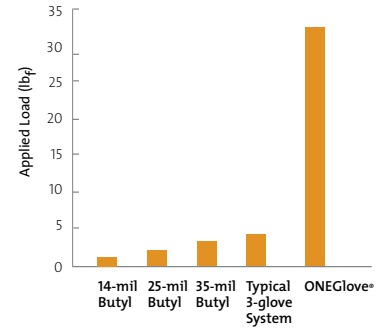


Certified Model – NFPA 1991, 2005 ed.
Certified Model – NFPA 1992, 2005 ed.
Certified Model – NFPA 1994, 2007 ed.

ONEGlove® — Puncture Test Results*

Force to puncture (Per NFPA 1994, 2007 Edition)

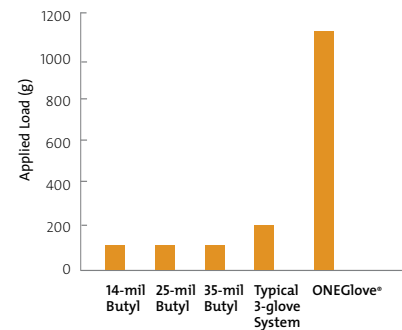
ONEGlove® Performance:
>5x Competition and >6x NFPA 1994 Requirement



ONEGlove® — Cut Test Results*

Producing cut > 25 mm (Per NFPA 1994, 2007 Edition)

ONEGlove® Performance:
>5x Competition and NFPA 1994 Requirement



*Date of testing: March 2005

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