ONEGLOVE® Hazmat

ONESuit® Flash Hazmat Protective Suit

Article No.: 51159SG335

ONESuit® Flash meets the needs of those working in the most dangerous environments. Certified to NFPA 1991 plus flash fire protection, this single-skin, lightweight protective garment protects against chemical and biological agents in both liquid and vapor form.

FEATURES

- Certified to NFPA 1991 (2005 ed.)
  – Flash fire
  – Liquefied gas
- First single-skin suit certified to flash fire
- Maximum protection against chemical and biological agents
- Lightweight design for 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

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.

Doc. Control:	Rev.:	Date:
	3.2	April 9, 2016

ONESuit® Flash Hazmat Protective Suit

Article No.: 51159SG335

ONESuit® Flash Sizes

Flash ONESuit® Code Product	Suit Size	ONEGlove® Hazmat Standard Size	Recommended Boot Size (US)
1SFSM	Small	8 (Medium)	6-9
1SFMD	Medium	9 (Large)	8-13
1SFLG	Large	9 (Large)	8-13
1SFXL	X-Large	10 (X-Large)	9-14
1SF2X	XX-Large	10 (X-Large)	10-15
1SF3X	XXX-Large	11(XX-Large)	10-15

Size Guidelines

Suit Size	Height (in.)	Weight (lbs.)	Height (cm)	Weight (kgs)
Small	60 - 64	100 - 130	152- 162	45 - 59
Medium	64 - 68	130 - 180	162 - 173	59 - 82
Large	68 - 72	140 - 210	173- 183	64 - 95
X-Large	72 - 76	180 - 230	183 - 193	82 - 105
XX-Large	74 - 78	210 - 260	188 - 198	95 - 118
XXX-Large	76 - 80	240 - 290	193 - 203	109 - 132

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 F739	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 (hcn)			>480	>480	>480	>480
dimethyl sulfate			>480	>480	>480	>480
hydrogen fluoride (hf)			>480	NA	NA	NA
sarin		<.125 µg/cm² after 1 hr	.406 after 8 hrs	.039 after 8 hrs	.086 after 8 hrs	.801 after 8 hrs
distilled mustard (hd)		<4.0 µg/cm² after 1 hr	.147 after 8 hrs	.048 after 8 hrs	.023 after 8 hrs	.038 after 8 hrs

ONESuit® *Flash is currently certified to:*

SEI Certified Model – NFPA 1991 (2005 ed.)

ONESuit® Flash is certified to the Chemical Flash Fire Protection Performance under NFPA 1991.

Doc. Control:	Rev.:	Date:
	3.2	April 9, 2016