

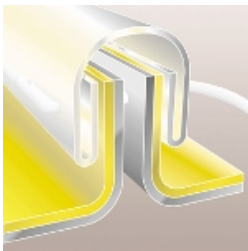


SL127B WH

DuPont™ Tychem® SL



Line Drawing



Bound Seam

FEATURES AND BENEFITS

DuPont™ Tychem® SL delivers effective protection against a range of chemical environments. Tychem® SL, utilizes Saranex™ 23-P film laminated to Tyvek® fabric to provide a rugged and durable fabric that resists abrasion. Tychem® SL fabric provides at least 30 minutes of protection against >124 chemical challenges. Typical applications: chemical mixing, hazardous remediation, emergency medical response, paint spraying, and nuclear environments.

- Tightly sewn seam is covered with garment fabric to reinforce seam and reduce potential for particle penetration
- Attached hood with elastic around face opening
- Storm flap covers zipper which can be sealed by the wearer with adhesive strip to prevent intrusion at zipper
- Elastic opening for tighter fit at wrist
- Elastic opening for tighter fit at ankle

[See all Product Literature](#)

Product Description

DuPont™ Tychem® SL Coverall. Standard Fit Hood. Elastic Wrists and Ankles. Storm Flap with Adhesive Closure. Bound Seams. White.

**Full Part Number:** SL127BWHxx0012yy (xx=size; yy=option code)

- Fabric:** Tychem® SL
- Style:** Coverall w/ Hood, Elastic Wrists and Ankles
- Seam:** Bound
- Color:** White
- Sizes:** SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X

**Case Count:** 12 per case

**Option Codes:** 00

[Product Terms of Use and Warranty \(PDF\)](#)

PRODUCT DETAILS

Available Options

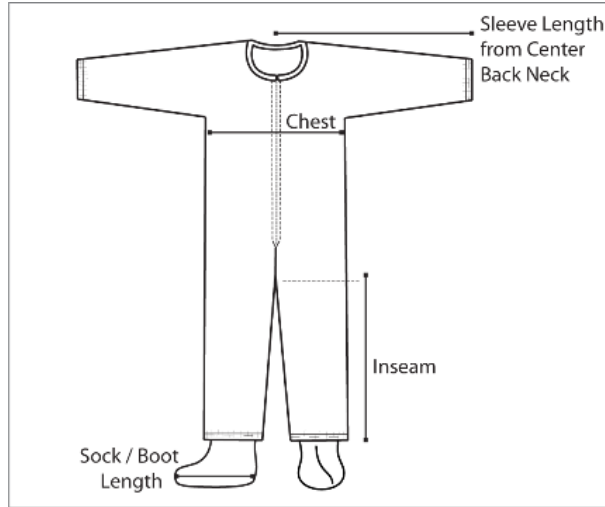
Option Code	Description	Available Sizes	Part Number
00	Standard	SM, MD, LG, XL, 2X, 3X, 4X, 5X, 6X, 7X	SL127BWHxx001200

Finished Dimensions

Typical Finished Dimensions

Size	Sleeve Length	Chest Width	Inseam	Fits Chest	Fits Height	Men's Shoe	Women's Shoe	Inner Glove Size	Outer Glove Size
SM	33 3/4	24 1/4	27 1/2	35 1/4 - 38 3/4	5'0" - 5'7"	n/a	n/a	n/a	n/a
MD	33 3/4	24 1/4	27 1/2	35 1/4 - 38 3/4	5'3" - 5'7"	n/a	n/a	n/a	n/a
LG	35	25 3/4	28 1/2	38 1/4 - 41 3/4	5'5" - 5'9"	n/a	n/a	n/a	n/a
XL	36 1/2	27 1/4	29	41 1/4 - 44 3/4	5'8" - 6'2"	n/a	n/a	n/a	n/a
2X	38 1/4	28 3/4	30	44 1/4 - 47 3/4	6'0" - 6'4"	n/a	n/a	n/a	n/a
3X	38 1/2	30 1/4	31	47 1/4 - 50 3/4	6'2" - 6'4"	n/a	n/a	n/a	n/a
4X	39 1/2	32	32	50 3/4 - 54 1/4	6'4" - 6'7"	n/a	n/a	n/a	n/a
5X	40 1/2	33 1/2	33	53 3/4 - 57 1/4	6'7" - 6'10"	n/a	n/a	n/a	n/a
6X	41 1/2	35 1/2	34	57 3/4 - 61 1/4	6'9" - 7'1"	n/a	n/a	n/a	n/a
7X	42 1/2	37	35	60 3/4 -	7'0" -	n/a	n/a	n/a	n/a

64 1/4 7'4"



**Specifications**

1. The garment shall be constructed of DuPont™ Tychem® SL -- a DuPont™ Tyvek® protective fabric laminated with a chemical resistant Dow Saranex™ 23-P film.
2. The garment shall be white in color.
3. The garment shall be a hooded coverall design.
4. The garment shall have bound seams.
5. The garment shall have a standard hood with elastic around the face.
6. The garment shall have a front zipper closure.
7. The zipper shall be covered with a storm flap with adhesive closure.
8. The garment shall have elastic wrists.
9. The garment shall have elastic ankles.

**Additional Equipment Needed**

- Wear other appropriate PPE such as, but not limited to, respiratory, eye, head, hand, and foot protection based on the hazard assessment.
- Please read, understand and follow the Tychem® User Manual.

**FABRIC DATA**

**Physical Properties - Typical Values**

**Tychem® SL - Fabric Data**

Property	Test Method	Result
Thickness	ASTM D1777	12 mils
Basis Weight	ASTM D3776	3.6 oz/yd2
Burst Strength - Mullen	ASTM D3786	73 psi
Breaking Strength - Grab (MD)	ASTM D5034	44 lbf
Breaking Strength - Grab (CD)	ASTM D5034	52 lbf
Wearing Apparel Flammability	16 CFR 1610 <sup>?</sup>	Class 1

\*Typical values, not specifications.

**Chemical Resistance Data**

**Testing Details**



**Tychem® SL - Fabric Data**

Hazard / Chemical Name	CAS Number	Phase	Breakthrough Time (average, normalized to 0.1 ug/cm <sub>2</sub> /min) / Performance
(2-Ethoxyethoxy)-ethanol, 2-	111-90-0	Liquid	>480
1,1,2,2-Tetrachloroethylene	127-18-4	Liquid	imm.
1,3-Butadiene (gas)	106-99-0	Vapor	>480
1,5-Pentanedial (50%)	111-30-8	Liquid	>480
1-Bromopropane	106-94-5	Liquid	12
1-Propyl bromide	106-94-5	Liquid	12

Acetic acid	64-19-7	Liquid	>480
Acetic anhydride	108-24-7	Liquid	48
Acetone	67-64-1	Liquid	imm.
Acetonitrile	75-05-8	Liquid	60
Acetyl chloride	75-36-5	Liquid	63
Acrolein	107-02-8	Liquid	24
Acrylamide (50% in water)	79-06-1	Liquid	>480
Acrylic acid	79-10-7	Liquid	>480
Acrylonitrile	107-13-1	Liquid	48
Allyl alcohol	107-18-6	Liquid	>480
Allyl chloride	107-05-1	Liquid	imm.
Aminoethylethanolamine	111-41-1	Liquid	imm.
Aminoethylethanolamine (60%)	111-41-1	Liquid	>480
Aminoethylpiperazine	140-31-8	Liquid	>480
Aminopyridine, 2- (saturated solution)	504-29-0	Liquid	>480
Ammonia (gas)	7664-41-7	Vapor	32
Ammonium hydroxide (28%-30%)	1336-21-6	Liquid	>480
Ammonium hydroxide (in household cleaner, 2-3%)	1336-21-6	Liquid	>480
Anhydrous ammonia (gas)	7664-41-7	Vapor	32
Aniline	62-53-3	Liquid	>480
Animal Waste (non-hazardous; solid)	unknown	Solid	May be Suitable for Use
Antimony pentachloride	7647-18-9	Liquid	>480
Asbestos (all forms)	1332-21-4	Solid	May be Suitable for Use
Benzene	71-43-2	Liquid	imm.
Benzyl alcohol	100-51-6	Liquid	>480
Beryllium	7440-41-7	Solid	May be Suitable for Use
Bisphenol-A diglycidyl ether	1675-54-3	Liquid	>480
Black liquor	308074-23-9	Liquid	>480
Bromopropane, 1-	106-94-5	Liquid	12
Butadiene, 1,3- (gas)	106-99-0	Vapor	>480
Butanol, n-	71-36-3	Liquid	>480
Butyl Cellosolve®	111-76-2	Liquid	>480
Butyraldehyde, n-	123-72-8	Liquid	41
Carbon disulfide	75-15-0	Liquid	imm.
Caustic potash (45%)	1310-58-3	Liquid	>480
Caustic soda (42-50%)	1310-73-2	Liquid	>480
Chemidize 727 ND	mixture	Liquid	>480
Chlorine (gas)	7782-50-5	Vapor	>480
Chloroacetic acid (70%-80%)	79-11-8	Liquid	>480
Chloroacetone	78-95-5	Liquid	258
Chloroacetyl chloride	79-04-9	Liquid	120
Chloroaniline, 4- (70° C)	106-47-8	Liquid	imm.
Chloroaniline, p- (70° C)	106-47-8	Liquid	imm.
Chlorobenzene	108-90-7	Liquid	imm.
Chloroform	67-66-3	Liquid	imm.
Chlorosulfonic acid	7790-94-5	Liquid	>480
Chlorotoluene, o-	95-49-8	Liquid	13
Chromic acid (60-62%)	1333-82-0	Liquid	>480
Cresol, mixed isomers	1319-77-3	Liquid	100
Cresol, o-	95-48-7	Liquid	>480
Crude oil	8002-05-9	Liquid	>480
Cyclohexanone	108-94-1	Liquid	136
Cyclohexyl isocyanate	3173-53-3	Liquid	54
Dichloroaniline, 3,4- (liquid, 70° C)	95-76-1	Liquid	imm.
Dichloromethane	75-09-2	Liquid	imm.
Dichloropropene, 1,3-	542-75-6	Liquid	imm.
Diesel fuel	68334-30-5	Liquid	48
Diethyl-m-toluidine crude	91-67-8	Liquid	>480
Diethylamine	109-89-7	Liquid	15
Diethylaniline crude	91-66-7	Liquid	>480

Diethylbenzene	25340-17-4	Liquid	31
Diethylenetriamine	111-40-0	Liquid	321
Dimethyl sulfate	77-78-1	Liquid	>480
Dimethyl-acetamide, N,N-	127-19-5	Liquid	96
Dimethyldichlorosilane	75-78-5	Liquid	46
Dimethylene oxide (gas)	75-21-8	Vapor	imm.
Dimethylformamide, N,N-	68-12-2	Liquid	90
Dimethylhydrazine, 1,1-	57-14-7	Liquid	13
Dimethylmaleate	624-48-6	Liquid	>480
Diphenylmethane Diisocyanate 4,4- (50° C)	101-68-8	Liquid	>480
Dirt (general)	unknown	Solid	May be Suitable for Use
Disodium sulfide (60% w/w in water slurry)	1313-82-2	Liquid	>480
Epichlorohydrin	106-89-8	Liquid	15
Epoxyethane (gas)	75-21-8	Vapor	imm.
Ethanethiol	75-08-1	Liquid	imm.
Ethanol	64-17-5	Liquid	>480
Ethyl Cellosolve®	110-80-5	Liquid	>480
Ethyl Cellosolve® acetate	111-15-9	Liquid	238
Ethyl Mercaptan	75-08-1	Liquid	imm.
Ethyl acetate	141-78-6	Liquid	imm.
Ethyl alcohol	64-17-5	Liquid	>480
Ethyl benzene	100-41-4	Liquid	imm.
Ethyl ether	60-29-7	Liquid	imm.
Ethyl hydroxide	64-17-5	Liquid	>480
Ethylene dichloride	107-06-2	Liquid	imm.
Ethylene glycol	107-21-1	Liquid	>480
Ethylene oxide (gas)	75-21-8	Vapor	imm.
Ethylenediamine	107-15-3	Liquid	>480
Ferric chloride (50% w/w in water)	7705-08-0	Liquid	>480
Ferrous chloride (50% w/w in water)	7758-94-3	Liquid	>480
Fertilizer (general; solid form)	unknown	Solid	May be Suitable for Use
Fiberglass	unknown	Solid	May be Suitable for Use
Fluorobenzene	462-06-6	Liquid	imm.
Fluoroboric acid (48-50%)	16872-11-0	Liquid	>480
Formalin (37% Formaldehyde, 10-15% Methanol)	mixture	Liquid	>480
Formic acid	64-18-6	Liquid	>480
Fuel oil	68476-30-2	Liquid	>480
Fungicide (general; solid form)	unknown	Solid	May be Suitable for Use
Furfural	98-01-1	Liquid	227
Gasoline	86290-81-5	Liquid	imm.
Gasoline, E-10	308066-70-8	Liquid	16
Glutaric acid dialdehyde (50%)	111-30-8	Liquid	>480
Glutaric aldehyde (50%)	111-30-8	Liquid	>480
Gluteraldehyde (50%)	111-30-8	Liquid	>480
Green liquor	68131-30-6	Liquid	>480
HCN (Hydrogen cyanide) (liquid, 21° C)	74-90-8	Liquid	>480
Hazardous Particles (larger than 0.3 micron in size)	unknown	Solid	May be Suitable for Use
Hazardous Particles (larger than 1 micron in size)	unknown	Solid	May be Suitable for Use
Herbicide (general; solid form)	unknown	Solid	May be Suitable for Use
Hexamethyldisilazane	999-97-3	Liquid	>480
Hexamethylene diisocyanate	822-06-0	Liquid	>480
Hexamethylenediamine, 1,6- (50° C)	124-09-4	Liquid	80
Hexane, n-	110-54-3	Liquid	imm.
Hydrazine	302-01-2	Liquid	>480
Hydriodic acid (47%)	10034-85-2	Liquid	>480
Hydrochloric acid (37%)	7647-01-0	Liquid	>480
Hydrocyanic acid (liquid, 21° C)	74-90-8	Liquid	>480
Hydrofluoric acid (48-51%)	7664-39-3	Liquid	>480
Hydrofluoric acid (70%)	7664-39-3	Liquid	imm.
Hydrogen chloride (gas)	7647-01-0	Vapor	>480
Hydrogen cyanide (liquid, 21° C)	74-90-8	Liquid	>480

Hydrogen fluoride (gas)	7664-39-3	Vapor	35
Hydrogen peroxide (30%)	7722-84-1	Liquid	>480
Insecticide (general; solid form)	unknown	Solid	May be Suitable for Use
Iodine (5% in carbon tetrachloride)	7553-56-2	Liquid	>480
Iron (II) chloride (50% w/w in water)	7758-94-3	Liquid	>480
Iron dichloride (50% w/w in water)	7758-94-3	Liquid	>480
Iron trichloride (50% w/w in water)	7705-08-0	Liquid	>480
Iron(III) chloride (50% w/w in water)	7705-08-0	Liquid	>480
Isoamyl alcohol	123-51-3	Liquid	>480
JP-4 jet fuel	50815-00-4	Liquid	imm.
JP-8 jet fuel	94114-58-6	Liquid	58
Jet A fuel	8008-20-6	Liquid	58
KOH (Potassium hydroxide) (45%)	1310-58-3	Liquid	>480
Kerosene	8008-20-6	Liquid	58
Lead	7439-92-1	Solid	May be Suitable for Use
Lewisite (10 g/m <sup>2</sup> )	541-25-3	Liquid	>360
Lime	mixture	Solid	May be Suitable for Use
Lye (42-50%)	1310-73-2	Liquid	>480
MEK (Methyl ethyl ketone)	78-93-3	Liquid	18
Malathion (50% in water)	121-75-5	Liquid	>480
Mercuric chloride (sat. sol. in water)	7487-94-7	Liquid	>480
Mercury	7439-97-6	Liquid	>480
Methanesulfonic acid (70% in water)	75-75-2	Liquid	>480
Methanol	67-56-1	Liquid	>480
Methyl Cellosolve®	109-86-4	Liquid	>480
Methyl Cellosolve® acetate	110-49-6	Liquid	>480
Methyl bromide	74-83-9	Vapor	>480
Methyl chloride (gas)	74-87-3	Vapor	>480
Methyl ethyl ketone	78-93-3	Liquid	18
Methyl ethyl ketoxime	96-29-7	Liquid	>480
Methyl iodide	74-88-4	Liquid	imm.
Methyl isocyanate	624-83-9	Liquid	imm.
Methyl methacrylate	80-62-6	Liquid	23
Methyl salicylate	119-36-8	Liquid	>480
Methyl tert-butyl ether	1634-04-4	Liquid	>480
Methyl-2-pyrrolidone, N-	872-50-4	Liquid	>480
Methylene bis (o-chloroaniline), 4,4'- (sat. sol. in methanol)	101-14-4	Liquid	>480
Methylene bis-cyclohexane diamine, 4,4'-	1761-71-3	Liquid	>480
Methylene chloride	75-09-2	Liquid	imm.
Methylene diphenyl isocyanate (50° C)	101-68-8	Liquid	>480
Mineral oil	8012-95-1	Liquid	>480
Mineral spirits	64475-85-0	Liquid	190
Mold spores	unknown	Solid	May be Suitable for Use
Morpholine	110-91-8	Liquid	158
Muriatic acid (37%)	7647-01-0	Liquid	>480
N,N-Dimethylformamide	68-12-2	Liquid	90
N-Aminoethyl ethanolamine	111-41-1	Liquid	imm.
N-Aminoethyl ethanolamine (60%)	111-41-1	Liquid	>480
NaOH (Sodium hydroxide) (42-50%)	1310-73-2	Liquid	>480
Nitric acid (70%)	7697-37-2	Liquid	>480
Nitrobenzene	98-95-3	Liquid	57
Nitrogen dioxide	10102-44-0	Vapor	>480
Nitrophenol, o- (70° C)	88-75-5	Liquid	imm.
Nitrophenol, p- (60° C)	100-02-7	Liquid	imm.
Nitrotoluene, o-	88-72-2	Liquid	95
Non-Hazardous Particles (larger than 0.3 micron in size)	unknown	Solid	May be Suitable for Use
Non-Hazardous Particles (larger than 1 micron in size)	unknown	Solid	May be Suitable for Use
Oleum (20% free SO <sub>3</sub> )	8014-95-7	Liquid	>480
Oleum (27-33% free SO <sub>3</sub> )	8014-95-7	Liquid	450
PCB 1254 (50% in mineral oil)	mixture	Liquid	>480

PCB 1254 (90%)	11097-69-1	Liquid	>480
Pentanedial, 1,5- (50%)	111-30-8	Liquid	>480
Pesticide (general; solid form)	unknown	Solid	May be Suitable for Use
Phenol (45° C)	108-95-2	Liquid	44
Phenol (60° C)	108-95-2	Liquid	imm.
Phenol (85-90%)	108-95-2	Liquid	>480
Phenyl glycidyl ether	122-60-1	Liquid	>480
Phenylethanol, 1-	98-85-1	Liquid	>480
Phosphoric acid (85%)	7664-38-2	Liquid	>480
Phosphorus trichloride	7719-12-2	Liquid	imm.
Polychlorinated biphenyl 1254 (50% in mineral oil)	mixture	Liquid	>480
Polychlorinated biphenyl 1254 (90%)	11097-69-1	Liquid	>480
Polymethylene polyphenyl-polyisocyanate	9016-87-9	Liquid	>480
Potash lye (45%)	1310-58-3	Liquid	>480
Potassium acetate (sat. sol. in water)	127-08-2	Liquid	>480
Potassium chromate (sat. sol. in water)	7789-00-6	Liquid	>480
Potassium hydroxide (45%)	1310-58-3	Liquid	>480
Propyl bromide, 1-	106-94-5	Liquid	12
Propylbromide, n-	106-94-5	Liquid	12
Pyridine	110-86-1	Liquid	31
Radioactive particles	unknown	Solid	May be Suitable for Use
Sarin (10 g/m <sup>2</sup> )	107-44-8	Liquid	>480
Silicon tetrachloride	10026-04-7	Liquid	35
Sodium cyanide (sat. sol. in water)	143-33-9	Liquid	>480
Sodium disulfite (38% w/w in water)	7681-57-4	Liquid	>480
Sodium fluoride (sat. sol. in water)	7681-49-4	Liquid	>480
Sodium hydroxide (42-50%)	1310-73-2	Liquid	>480
Sodium hypochlorite (15%)	7681-52-9	Liquid	>480
Sodium metabisulfite (38% w/w in water)	7681-57-4	Liquid	>480
Sodium pyrosulfite (38% w/w in water)	7681-57-4	Liquid	>480
Sodium sulfide (60% w/w in water slurry)	1313-82-2	Liquid	>480
Styrene	100-42-5	Liquid	16
Sulfur dioxide	7446-09-5	Vapor	>480
Sulfur mustard (10 g/m <sup>2</sup> )	505-60-2	Liquid	>480
Sulfuric acid	7664-93-9	Liquid	>480
Tar balls	unknown	Solid	May be Suitable for Use
Tetrachloroethane, 1,1,2,2-	79-34-5	Liquid	98
Tetrachloroethylene, 1,1,2,2-	127-18-4	Liquid	imm.
Tetraethyl Ammonium Hydroxide (35%)	77-98-5	Liquid	>480
Tetraethylammonium hydroxide; N,N,N, (35%)	77-98-5	Liquid	>480
Tetraethylenepentamine	112-57-2	Liquid	>480
Tetrafluoroethane, 1,1,1,2-	811-97-2	Liquid	>480
Tetrahydrofuran	109-99-9	Liquid	imm.
Titanium tetrachloride	7550-45-0	Liquid	imm.
Toluene	108-88-3	Liquid	imm.
Toluene-2,4-diisocyanate	584-84-9	Liquid	>480
Toluene-2,4-diisocyanate (80%)	584-84-9	Liquid	>480
Toluidine, m-	108-44-1	Liquid	>480
Toluidine, o-	95-53-4	Liquid	>480
Trichlorobenzene, 1,2,4-	120-82-1	Liquid	87
Trichloroethanol, 2,2,2-	115-20-8	Liquid	>480
Trichloroethylene	79-01-6	Liquid	imm.
Trichlorophenylsilane	98-13-5	Liquid	>480
Trichlorosilane	10025-78-2	Liquid	60
Trichlorovinylsilane	75-94-5	Liquid	100
Triethylamine	121-44-8	Liquid	22
Triethylenetetramine (60%)	112-24-3	Liquid	>480
Trifluoroacetic acid	76-05-1	Liquid	>480
Trifluoromethane sulfonic acid	1493-13-6	Liquid	>480
Trimethyl phosphite	121-45-9	Liquid	imm.
VM&P Naphtha	8030-30-6	Liquid	18