

LAKELAND CROSSOVER GUIDE GENERAL PROTECTION

DuPont Personal Protection

LAKELAND GARMENTS MADE WITH DUPONT™ TYVEK®

Lakeland Garment Fabric: DuPont™ Tyvek® Style Number	Lakeland Garment Description	DuPont™ Tyvek® Fabric: DuPont™ Tyvek® Style Number
Lakeland Coveralls		
01412	Zipper front	TY120S
X	Zipper front, two front pockets	TY152S
01418	Zipper front, elastic wrist	X
01417	Zipper front, elastic wrist & ankle	TY125S
01427	Zipper front, hood	X
01428	Zipper front, hood, elastic wrist & ankle	TY127S
01414	Zipper front, hood, elastic wrist, attached boots	TY121S option NS
01426	Zipper front, elastic wrist & ankle, attached boots	TY122S
01490	Zipper front, extra long sleeves, elastic wrist & neck	X ¹
01491	Zipper front, extra long sleeves, hood, elastic wrist & ankle	X ¹
11417T	Bound seams, zipper front, tunnelized elastic wrist & ankle	IC182B
Labcoats and Frocks		
01101	Labcoat, snaps, 2 pockets, long sleeve	TY212S
01140	Labcoat, snaps, no pockets, long sleeve	TY210S
01191	Frock, mandarin collar, zipper, no pockets, elastic wrists	IC264S ²
01104	Labcoat, 2 pockets, elastic wrists	IC224S ²
01112	Labcoat, no pockets, elastic wrists	TY211S
01190	Frock, mandarin collar, 5 snaps, no pockets, elastic wrists	TY216S
01192T	Frock, 3 snap adjustable collar, 5 snaps, no pockets, tunnelized elastic wrist	IC262S ²
Hoods and Bouffants		
0701	Hood, drawstring closure	IC668B ²
0710	Hood, 2 snaps deluxe style	IC666B ²
0713	Hood, elastic face, covers shoulders (250/cs)	X
713C	Hood, elastic face, covers shoulders (100/cs)	TY657S
0802	Bouffant hat, 21"	IC729 ²
Pants, Shirts, Aprons, Smocks and Sleeve Covers		
0301	Pant, elastic waist	TY350S
01201	Shirt, snaps, long sleeves	TY303S
0601	Apron, sewn ties, 28" x 36"	TY273B
0603	Apron, sewn ties, 28" x 44"	X
01501	Smock, long sleeves, attached ties	IC226S ²
0850	Sleeve, elastic ends, 18" length	TY500S

LAKELAND CROSSOVER GUIDE - GENERAL PROTECTION

SAFEGARD® SMS - 1.7 OZ/YD² SMS FABRIC³

SafeGARD® 76 Fabric: SMS Style Number	Lakeland Garment Description	DuPont™ ProShield® Fabric: SMS Style Number
C8412	Coverall, zipper front	P1120S ⁴
C8414	Coverall, zipper front, elastic wrist & ankle	P1125S ⁴
C8417	Coverall, zipper front, elastic wrist & ankle, deluxe pattern ¹	P1125S ⁴
C8428	Coverall, zipper front, hood, elastic wrist & ankle	P1127S ⁴
C8501	Smock	X
C8101	Labcoat, snap front, two front pockets	P1212S (DB only)
C8201	Shirt, snap front	X
C8301	Pants, elastic waist	X

SAFEGARD® ECONOMY - 1.5 OZ/YD² SMS FABRIC³

SafeGARD® Economy Fabric: SMS Style Number	Lakeland Garment Description	DuPont™ ProShield® Fabric: SMS Style Number
E8412	Coverall, zipper front	P1120S ⁴
E8417	Coverall, zipper front, elastic wrist & ankle	P1125S ⁴
E8428	Coverall, zipper front, hood, elastic wrist & ankle	P1127S ⁴
E8414	Coverall, zipper front, elastic wrist & ankle, attached boots	P1122S ⁴

LAKELAND CROSSOVER GUIDE - GENERAL PROTECTION

MICROMAX®, MICROMAX® NS, MICROMAX® 3P

MicroMAX® Fabric: MPF Style Number	MicroMAX® NS Fabric: MPF Style Number	MicroMAX® 3P Fabric: MPF Style Number	Lakeland Garment Description	DuPont™ ProShield® NexGen® Fabric: MPF Style Number	DuPont™ Tyvek® Fabric: DuPont™ Tyvek® Style Number
Coveralls					
TG412	CTL412	M3P412E	Zipper front	NG120S	TY120S
X	X	X	Zipper front, two front pockets	X	TY152S
TG418	X	X	Zipper front, elastic wrist	X	X
TG417	CTL417	M3P417E	Zipper front, elastic wrist & ankle	NG125S	TY125S
TG427	X	M3P427E	Zipper front, hood	X	X
TG428	CTL428	M3P428E	Zipper front, hood, elastic wrist & ankle	NG127S	TY127S
TG414	CTL414	M3P414E	Zipper front, hood, elastic wrist, attached boots	NG122S	TY121S option NS
X	CTL426	FCM3P426	Zipper front, elastic wrist & ankle, attached boots	X	TY122S
X	X	M3P490	Zipper front, extra long sleeves, elastic wrist & neck	X	X ¹
X	X	M3P491	Zipper front, extra long sleeves, hood, elastic wrist & ankle	X	X ¹
TG1417-T	X	M3P417-T	Bound seams, zipper front, tunnelized elastic wrist & ankle	X	IC182B
Shoe & Boot Covers					
TG901	CTL901	M3P901	Shoe cover, elastic ankle	NG451S	TY450S option LG
TG904	CTL904	X	Shoe cover, vinyl sole	NG451S	TY450S option LG
X	X	M3P906	Shoe cover, conductive strip	PE440S option CT ⁵	X
X	CTL902	M3P902	Boot cover, snap closure, non skid sole	X	X
X	CTL903	M3P903	Boot cover, elastic top, 17" high	NG456S	TY454S
TG905	CTL905	M3P905	Boot cover, vinyl sole, elastic ankle	NG456S	TY454S option SR ⁶
X	X	M3P907	Boots, elastic ankle, 20" high, vinyl sole	NG456S	TY454S option SR ⁶

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MICROMAX®, MICROMAX® NS, MICROMAX® 3P

MicroMAX® Fabric: MPF Style Number	MicroMAX® NS Fabric: MPF Style Number	MicroMAX® 3P Fabric: MPF Style Number	Lakeland Garment Description	DuPont™ ProShield® NexGen® Fabric: MPF Style Number	DuPont™ Tyvek® Fabric: DuPont™ Tyvek® Style Number
Labcoats and Frocks					
TG101	CTL101	M3P101	Labcoat, snaps, 2 pockets, long sleeve	NG212S	TY212S
TG140	CTL140	M3P140	Labcoat, snaps, no pockets, long sleeve	X	TY210S
X	CTL191	M3P191	Frock, mandarin collar, zipper, no pockets, elastic wrist	PC271S ²	IC264S ²
X	CTL104	M3P104	Labcoat, 2 pockets, elastic wrists	X	IC224S ²
X	CTL112	M3P112	Labcoat, no pockets, elastic wrists	X	TY211S
X	CTL190	M3P190	Frock, mandarin collar, 5 snaps, no pockets, elastic wrists	PC270S ²	TY216S
TG192T	X	X	Frock, 3 snap adjustable collar, 5 snaps, no pockets, tunnelized elastic wrist	X	IC262S ²
Hoods and Bouffants					
X	CTL701	M3P701	Hood, drawstring closure	PC663S option 0S ²	IC668B ²
X	CTL710	M3P710	Hood, 2 snaps deluxe style	X	IC666B ²
X	CTL713	X	Hood, elastic face, covers shoulders (250/cs)	X	X
X	CTL713C	X	Hood, elastic face, covers shoulders (100/cs)	X	TY657S
X	CTL802-21	M3P802-21	Bouffant hat, 21"	X	IC729 ²
Pants, Shirts, Aprons, Smocks and Sleeve Covers					
TG301	CTL301	M3P301	Pant, elastic waist	X	TY350S
TG201	CTL201	M3P201	Shirt, snaps, long sleeves	X	TY303S
TG601	CTL601	M3P601	Apron, sewn ties, 28" x 36"	NG273B	TY273B
TG603	CTL603	M3P603	Apron, sewn ties, 28" x 44"	X	X
TG501	CTL501	M3P501	Smock, long sleeves, attached ties	X	IC226S ²
TG850-18	CTL850-18	M3P850-18	Sleeve, elastic ends, 18" length	NG500S	TY500S
X	X	X	Sleeve, elastic ends, 22" length	NG500S option YU	X

1. DuPont™ Tyvek® garments feature proprietary *comfort fit* design for increased mobility and reinforced stress areas; mitigates need for extra long sleeve option.

2. DuPont Controlled Environments product line.

3. DuPont™ ProShield® garments are 1.8 oz./yard² per ASTM D3776.

4. DuPont™ ProShield® garments are available in white (WH) or denim blue (DB) unless otherwise stated.

5. PE440S option CT is polyethylene coated spunbonded polypropylene fabric with conductive strip.

6. TY454S option SR has Tyvek® FC sole, a special coating to provide added slip-resistance.

LAKELAND CROSSOVER GUIDE - GENERAL PROTECTION

DUPONT™ TYVEK® AND GENERAL PROTECTION PRODUCTS

Typical General Industrial Hazards/Description/Examples

Garment	Non-hazardous								Hazardous											Flame** resistance	
	Particles			Aerosol	Light liquid splash*				Particles												
	General dirt & grime	Animal waste	Sanding & grinding waste	Spray paints	Oil & grease	Lubricants	Fertilizer	Sewage	Fertilizer	Pesticides	Asbestos	Lead	Chromium	Beryllium	Mold	Fiberglass	Carbon	Radioactive particles	Isocyanate		
Tyvek®	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
ProShield® NexGen®	○	○	○	●	●	●	●	●													
ProShield®	○	○	○	○	○	○	○	○													
Tempro®	○	○	○	○	○	○															●

● Generally preferred ○ Acceptable for use

* Liquid barrier performance varies based on the amount of liquid on the garment, the length of time the liquid is on the garment, applied pressures and certain physical properties of the liquid. In applications where a higher liquid barrier is needed, consider DuPont™ Tychem™ protective garments.

** Tempro® garments are flame retardant treated, not inherently flame resistant, and are intended to be worn OVER primary flame-resistant protective apparel such as Nomex® IIIA.

It is the user's responsibility to determine the nature and level of hazard and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk. Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher penetration rates than the fabric. Please contact DuPont for specific data. These garments are intended for limited use and should be disposed of after single use. If fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure.

WARNINGS:

- 1) Tyvek®, ProShield® NexGen® and ProShield® garments are not flame-resistant and should not be used around heat, flame, sparks or in potentially flammable or explosive environments.
- 2) Garments made of Tyvek®, ProShield® NexGen®, ProShield® and Tempro® should have slip-resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping may occur.
- 3) DuPont™ Tyvek® coveralls can be considered for use with the appropriate respirators and other suitable PPE to minimize contact with isocyanate paint aerosols. Tyvek® garments are not appropriate if they are getting wet (paint is dripping or running, or wet to the touch) or if spotting is observed on skin or garments worn under the coveralls. Tychem® aprons and smocks are available for situations where prolonged liquid exposure may be limited to the front of the torso and/or arms of the wearer. These aprons and smocks can be worn with Tyvek® to provide localized protection while limiting the level of thermal discomfort.

IT IS THE RESPONSIBILITY OF THE USER TO:

- Get trained in the proper use, handling, storage, maintenance and disposal of this garment;
- Review and understand available information about the appropriate use of this garment;
- Verify that the garment is appropriate for the user's specific application;
- Verify that the garment meets all specified government and industry standards for user's specific application;
- Carefully inspect the garment for damage before and after use, including all fabric, seams and closures.

WARNINGS:

- 1) Tyvek®, ProShield®, ProShield® NexGen® and Tychem® are not flame resistant and should not be used around heat, flame, sparks or potentially flammable or explosive environments.
- 2) Only Tychem™ ThermoPro garments are designed and tested to help reduce injury during escape from a flash fire. Users of Tychem™ ThermoPro garments should not knowingly enter an explosive environment.
- 3) Garments should have slip-resistant or antislip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.
- 4) If fabric becomes torn, scratched or punctured, user should immediately discontinue use of garment to avoid serious injury, including potentially deadly chemical exposure(s). Seams and closures may provide less protection than fabric.
- 5) Tychem™ garments should be worn with boots.
- 6) Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids, and should not be worn when these chemicals are present.
- 7) DuPont specifications exclude components containing natural rubber latex.

This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience are gained. DuPont makes no guarantee of results and assumes no obligations or liability in connection with this information. It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk.

Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher permeation rates than the fabric. If fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid compromising the barrier protection. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. This information is not intended as a license to operate under or a recommendation to infringe any patent, trademark or technical information of DuPont or others covering any material or its use.