

3M™ Protective Apparel Line Card

United States

Breathability

Liquid Resistance

Particle		Liquid		Particle		Liquid		Particle		Liquid	
Splash Type 6				Spray Type 4				Jet Type 3			
Material: <ul style="list-style-type: none"> SMS Model(s): <ul style="list-style-type: none"> 4520 4530 (FR Rated) 		Material: <ul style="list-style-type: none"> Microporous PE laminate (front) SMS (Back) Model(s): 4535		Material: <ul style="list-style-type: none"> Microporous PE laminate Model(s): 4510		Material: <ul style="list-style-type: none"> Non-microporous PE Laminate Model(s): 4565		Material: <ul style="list-style-type: none"> Multi-Layer Non-Microporous Laminate Model(s): 4570			

Materials

SMS

Spunbound Meltblown Spunbound are robust breathable fabrics, designed to offer a good barrier against hazardous particles and limited liquid splashes

Microporous PE Laminate

Polypropylene PE laminate is designed to offer a good barrier against hazardous particles and limited liquid splashes, while the micropores allow for some breathability

Non-microporous PE Laminate

Designed to offer a very good barrier against hazardous particles and certain liquid splashes and sprays

Multi-Layer Non-Microporous PE Laminate

Designed to offer an excellent barrier against hazardous particles and certain liquid splashes, sprays and jets.

Protection Types


Depending on the materials and construction, protective coveralls can be designed for either hazardous applications (certified to CE Category III) or non-hazardous applications.

Products for hazardous applications can be tested and certified to any of six different “Type” standards, providing guidance on suitability of use.

Protection Type	Standard	3M Coveralls
Type 1 Gas Protections		N/A
Type 2 Non-Gas Protection		N/A
Type 3 Liquid Jet Protection	EN 14605 EN ISO 17491-3	4570
Type 4 Liquid Spray Protection	EN 14605 EN ISO 17491-3	4565, 4570
Type 5 Particle Protection	EN ISO 13982-1	4510, 4520, 4530, 4535, 4565, 4570
Type 6 Limited Liquid Splash Protection	EN 13034 EN ISO 17491-4	4510, 4520, 4530, 4535, 4565, 4570

Additional Standards

**ANTI-STATIC
EN1149-5** Anti-static
Coating
(EN 1149-5)



4510, 4520, 4530, 4535, 4565, 4570

Please refer to product user instructions and packaging for more information.

	4510	4565	4570
ASTM 1671 Bloodborne pathogen penetration resistance			✓
ASTM 1670 Synthetic Blood Penetration test		✓	✓
ISO 16603 Assesses resistances to penetration under pressure by synthetic blood (visual assessment)	✓	✓	✓
ISO 16604 Models resistance to viral penetration under pressure (biological assay)	Unclassified	Unclassified	✓
ISO 22610 Assesses resistances to wet bacterial penetration during mechanical contact	✓	✓	✓
ISO 22611 Determines resistance to penetration by aerosols containing bacteria	✓	✓	✓
ISO 22612 Assesses resistance to dry microbial penetration using talc contaminated with spores	✓	✓	✓

Protective Coveralls

3M™ Protective Coverall 4520

Made from lightweight and, breathable material and is designed to offer protection against hazardous dusts and limited liquid splashes.



- Elasticized hood, ankles and waist
- 2 way zip with sealable tab on storm flap
- 3-panel hood
- Knitted cuffs
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7000034761	4520	M	White / Green	SMS	Type 5	Splash Type 6	●	20/cs
7000034762	4520	L	White / Green	SMS	Type 5	Splash Type 6	●	20/cs
7000034763	4520	XL	White / Green	SMS	Type 5	Splash Type 6	●	20/cs
7000034764	4520	2XL	White / Green	SMS	Type 5	Splash Type 6	●	20/cs
7000089643	4520	3XL	White / Green	SMS	Type 5	Splash Type 6	●	20/cs
7000089644	4520	4XL	White / Green	SMS	Type 5	Splash Type 6	●	20/cs

3M™ Protective Coverall 4530 (FR Rated)

Made from lightweight and, breathable material and is designed to offer protection against hazardous dusts and limited liquid splashes. The fabric complies with ISO 14116:2008 for limited flame spread index 1 (must be worn over an index 2 or 3 garment and must not be worn next to skin).



- Elasticized hood, ankles and waist
- 2 way zip with sealable tab on storm flap
- 3-panel hood
- Knitted cuffs
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7000109034	4530	M	Blue/White	SMS - FR Rated	Type 5	Splash Type 6	●	25/cs
7000109035	4530	L	Blue/White	SMS - FR Rated	Type 5	Splash Type 6	●	25/cs
7000109036	4530	XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6	●	25/cs
7000109037	4530	2XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6	●	25/cs
7000109038	4530	3XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6	●	25/cs
7000109039	4530	4XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6	●	25/cs

Protective Coveralls

3M™ Protective Coverall 4520-CS

Made from lightweight and, extremely breathable material and is designed to offer protection against hazardous dusts and limited liquid splashes.



- Collared, no hood
- 2 way zip with sealable tab on storm flap
- Knitted cuffs
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7000088931	4520	M	White / Green	SMS	Type 5	Splash Type 6		20/cs
7000088930	4520	L	White / Green	SMS	Type 5	Splash Type 6		20/cs
7000088934	4520	XL	White / Green	SMS	Type 5	Splash Type 6		20/cs
7000088933	4520	2XL	White / Green	SMS	Type 5	Splash Type 6		20/cs
7000088928	4520	3XL	White / Green	SMS	Type 5	Splash Type 6		20/cs
7000088929	4520	4XL	White / Green	SMS	Type 5	Splash Type 6		20/cs

3M™ Protective Coverall 4530-CS (FR Rated)

Made from lightweight and, breathable material and is designed to offer protection against hazardous dusts and limited liquid splashes. The fabric complies with ISO 14116:2008 for limited flame spread index 1 (must be worn over an index 2 or 3 garment and must not be worn next to skin).



- Collared, no hood
- 2 way zip with sealable tab on storm flap
- Knitted cuffs
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7100112828	4530	M	Blue/White	SMS - FR Rated	Type 5	Splash Type 6		25/cs
7000089024	4530	L	Blue/White	SMS - FR Rated	Type 5	Splash Type 6		25/cs
7000089025	4530	XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6		25/cs
7000089026	4530	2XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6		25/cs
7000089027	4530	3XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6		25/cs
7000089028	4530	4XL	Blue/White	SMS - FR Rated	Type 5	Splash Type 6		25/cs

Protective Coveralls

3M™ Protective Coverall 4535

Provides a balance of comfort and protection. The microporous PE laminate at the front of the garment is designed to offer a good barrier to limited liquid splash, while the large SMS breathable back panel helps increase breathability for wearer comfort.



- Elasticized hood, ankles, cuffs and waist
- 2-way zip with storm flap
- Knitted cuff
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7100217011	4535	M	White / Blue	PE laminate (front) SMS (Back)	Type 5	Splash Type 6	●	20/cs
7100217010	4535	L	White / Blue	PE laminate (front) SMS (Back)	Type 5	Splash Type 6	●	20/cs
7100216848	4535	XL	White / Blue	PE laminate (front) SMS (Back)	Type 5	Splash Type 6	●	20/cs
7100216889	4535	2XL	White / Blue	PE laminate (front) SMS (Back)	Type 5	Splash Type 6	●	20/cs
7100216850	4535	3XL	White / Blue	PE laminate (front) SMS (Back)	Type 5	Splash Type 6	●	20/cs
7100216888	4535	4XL	White / Blue	PE laminate (front) SMS (Back)	Type 5	Splash Type 6	●	20/cs

3M™ Protective Coverall 4510

Designed to offer cost effective protection against hazardous dusts and limited liquid splash.



- Elasticized hood, ankles, cuffs and waist
- 2-way zip with storm flap
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7000089662	4510	M	White	Microporous PE laminate	Type 5	Splash Type 6	●	20/cs
7000089663	4510	L	White	Microporous PE laminate	Type 5	Splash Type 6	●	20/cs
7000089664	4510	XL	White	Microporous PE laminate	Type 5	Splash Type 6	●	20/cs
7000089665	4510	2XL	White	Microporous PE laminate	Type 5	Splash Type 6	●	20/cs
7000089666	4510	3XL	White	Microporous PE laminate	Type 5	Splash Type 6	●	20/cs
7000089667	4510	4XL	White	Microporous PE laminate	Type 5	Splash Type 6	●	20/cs

Protective Coveralls

3M™ Protective Coverall 4565

Made from a soft lightweight fabric with taped seams, providing a very good barrier to hazardous particles and limited liquid splash and spray.



- Elasticized hood, ankles, cuffs and waist
- 2-way zip with full sealable storm flap
- 3-panel Hood
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7000109046	4565	M	White / Red	Non-microporous PE Lamniate	Type 5	Spray Type 4	●	25/cs
7000109047	4565	L	White / Red	Non-microporous PE Lamniate	Type 5	Spray Type 4	●	25/cs
7000109048	4565	XL	White / Red	Non-microporous PE Lamniate	Type 5	Spray Type 4	●	25/cs
7000109049	4565	2XL	White / Red	Non-microporous PE Lamniate	Type 5	Spray Type 4	●	25/cs
7000109050	4565	3XL	White / Red	Non-microporous PE Lamniate	Type 5	Spray Type 4	●	25/cs
7000141115	4565	4XL	White / Red	Non-microporous PE Lamniate	Type 5	Spray Type 4	●	25/cs

3M™ Protective Coverall 4570

Designed to offer a barrier to hazardous particles and certain liquid splashes, sprays and jets.



- Elasticized hood and ankles
- Double front closing system with large ring zip pull for easy wear Low linting
- Elasticized cuffs with thumb loop
- Low linting
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	Hood	BU/UOM
7000089688	4570	M	Grey	Multi Layer Non-microporous PE Lamniate	Type 5	Jet Type 3	●	12/cs
7000089689	4570	L	Grey	Multi Layer Non-microporous PE Lamniate	Type 5	Jet Type 3	●	12/cs
7000089690	4570	XL	Grey	Multi Layer Non-microporous PE Lamniate	Type 5	Jet Type 3	●	12/cs
7000089691	4570	2XL	Grey	Multi Layer Non-microporous PE Lamniate	Type 5	Jet Type 3	●	12/cs
7000089692	4570	3XL	Grey	Multi Layer Non-microporous PE Lamniate	Type 5	Jet Type 3	●	12/cs
7000089693	4570	4XL	Grey	Multi Layer Non-microporous PE Lamniate	Type 5	Jet Type 3	●	12/cs

Lab Coats, Overshoes, and Over Boots

3M™ Lab Coat 4440

Offers a barrier against non-hazardous particles and light liquid splashes.



- Zip fastener
- Knitted cuffs
- Anti-static

SAP I.D.	Product I.D.	Size	Color	Material	Particle	Liquid	BU/UOM
7000089709	4440	M	White	Microporous PE laminate	Type 5	Spray Type 6	50/cs
7000089710	4440	L	White	Microporous PE laminate	Type 5	Spray Type 6	50/cs
7000089711	4440	XL	White	Microporous PE laminate	Type 5	Spray Type 6	50/cs
7000089712	4440	2XL	White	Microporous PE laminate	Type 5	Spray Type 6	50/cs
7000089713	4440	3XL	White	Microporous PE laminate	Type 5	Spray Type 6	50/cs



402



442



440



450

SAP I.D.	Product I.D.	Description	Color	Material	BU/UOM
7000089721	402	Overshoes	Blue	Microporous PE laminate	300/cs
7000089720	442	Overshoes	White	Microporous PE laminate	300/cs
7000089719	440	Over boots with ties	White	Microporous PE laminate	200/cs
7000088638	450	Over boots, reduced slip sole with ties	White	Microporous PE laminate	100/cs

Important Notice

This guide is only an outline. It should not be used as the only means for selecting protective clothing. Before using any protective clothing, the wearer must read and understand the user instructions for each product. Specific country legislation must be observed. If in doubt, contact a safety professional. Selection of the most appropriate PPE will depend on the particular situation and should only be made by a competent person knowledgeable of the actual working conditions and the limitations of PPE.

Final determination as to the suitability of these products for a particular situation is the employer's responsibility. This information is subject to revision at any time. Always read and follow all User Instructions supplied with your 3M™ Protective Coveralls in order to ensure correct operation. If you have questions contact 3M Technical Service. LIMITATION OF LIABILITY: Except as provided above, 3M shall not be liable or responsible for any loss or damage, whether direct, indirect, incidental, special or consequential arising out of the sale, use or misuse of 3M PSD products, or the user's inability to use such products. THESE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE.



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