

DuPont™ Suprel® LS protective apparel

TECHNICAL DATA SHEET

Outstanding protection paired with exceptional comfort.



DuPont™ Suprel® LS offers a superior balance of breathability and barrier protection combined with a softer feel and increased comfort. Based on DuPont Advanced Composite Technology, Suprel® LS is a patented bi-component fabric that presents a better balance of properties at a comparable price.

Garments made with Suprel® LS have a soft, tactile feel and provide a greater ease of movement. They are available sterilized or non-sterilized—so that you stay protected and comfortable no matter what type of work you perform.

Key Benefits

- Improved comfort
- Clean
- Breathability
- Available either gamma sterilized or bulk packaged

Wide Range of Applications

Developed specifically for the Life Science, Pharmaceutical, Biotechnology and Medical Device manufacturing industries, Suprel® LS can be used in both sterile and non-sterile environments. Backed by years of innovation and proven science-based solutions, DuPont products help ensure the protection of your products and workers in sterile and non-sterile production processes from the threat of contamination.

Different Choices to Meet Your Needs

Suprel® LS is available in a wide variety of garment and accessory styles for all your protection needs. This state of the art material provides an exceptional balance of properties compared to spun-bonded polypropylene (SBPP), SMS/SMMS and microporous (MF) garments at a comparable price. Suprel® LS provides a low cost alternative while still offering a high level of protection, integrity and comfort.



The miracles of science™

DuPont™ Suprel® LS typical physical properties

Property	Unit	Suprel® LS	Standard
Basis Weight	oz/yd ²	1.8	IST 130.1, EDANA 40.3-90
Particle Filtration Efficiency (0.5 µm)	%	86	ASTM 2100-01
Bacterial Filtration Efficiency (2.8 µm)	%	97	ASTM 2101-01
Hydrostatic Head	cm H ₂ O	83	AATCC 127, IST 80.6-01
Frasier Porosity	cfm	25	ASTM D 737-96, IST 70.1
MD Grab Tensile	lbs	34	ASTM D 5034-95, IST 110.1
XD Grab Tensile	lbs	20	ASTM D 5034-95, IST 110.1
Particle Shedding (Helmke Drum)		Category II	IEST-RP-CC003.3

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These results are measured using the latest industry test methods. Results will vary due to the changes in test methods. A true test of performance is in use. This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experiences are gained. DuPont makes no guarantee of results and assumes no obligation 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 informational use by persons having technical skill for evaluation under their specific end-use conditions, at their own 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 the fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid compromising the barrier protection. SINCE CONDITIONS ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITH LIMITATION, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION.

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) Suprel® LS is not flame-resistant and should not be used around heat, flame, sparks or in potential flammable or explosive environments. 2) Garments made of Suprel® LS should have slip-resistant materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur. 3) 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 require special care and attention because they may provide less protection from chemical exposure than the fabric during use.

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