

# DuPont™ ProClean® protective apparel

## TECHNICAL DATA SHEET

Trusted protection.



DuPont™ ProClean® protective apparel

Made from a microporous composite fabric, DuPont™ ProClean® apparel helps provide liquid and dry particulate barrier protection for cleanroom applications. These garments are lightweight, strong and durable.

DuPont products stand for the highest quality. DuPont offers state-of-the-art apparel manufacturing when cleanliness is critical.

### Key Benefits

- Excellent barrier to non-hazardous liquids and dry particulates for cleanroom applications
- Low linting
- Anti-static treated

### Wide Range of Applications

ProClean® garments are used in the biotech, pharmaceutical, medical device manufacturing and electronics industries, as well as in other cleanroom or controlled critical environments. With a wide range of proven, science-based solutions, DuPont products help ensure superior protection for your business critical systems and equipment.

### Garment Styles to Meet Your Needs

ProClean® garments are available in a wide variety of garment and accessory styles, such as coveralls, frocks, sleeve protectors and boot covers.



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## Typical Physical Properties of DuPont™ ProClean®

Property	Units	ProClean®	Standard
Basis Weight	oz/yd <sup>2</sup>	1.9	ASTM D3776
Thickness	mils	7.0	ASTM D1777
Trap Tear, MD	lbf	6.5	ASTM D5773
Trap Tear, CD	lbf	10.0	ASTM D5773
Grab Tensile, MD	lbf	30	ASTM D5034
Grab Tensile, CD	lbf	17	ASTM D5034
Hydrostatic Head	inches H <sub>2</sub> O	80	AATCC TM127
Bacterial Filtration Efficiency (3.0 μ)	%	99.7	ASTM F2101
Surface Resistivity (55% RH)	ohms	<3.2 x 10 <sup>10</sup>	ASTM D257
Flammability		Class 1	16 CFR 1610
Particle Shedding (Helmke Drum)*		Category II	IEST-RP-CC003.3

**Note:** These results are measured using the most current industry accepted standard test methods. A true test of performance is in use.

\*Helmke garment cleanliness classification based on particle emission rates for a size medium coverall.

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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 may provide less barrier 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 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. **WARNINGS:** 1) DuPont garments and accessories for controlled environments 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® 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.

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