

# DuPont™ Sierra™

## TECHNICAL DATA SHEET

Face masks for superior filtration and breathability in critical or controlled environments.



DuPont™ Sierra™ Face Mask

It's not easy working under pressure through long shifts in a critical or controlled environment—especially if you can't breathe comfortably.

### Advantages of the DuPont™ Sierra™ Face Masks

- Helps protect the cleanroom environment
- Allow worker to breathe easily
- Increase compliance through comfort

The ideal face mask combines high breathability with exceptional filtration efficiency. Sierra™ face masks deliver both. Sierra™ face masks are offered in a variety of styles and packaging options (including sterile). Sierra™ masks have a Class 1 flammability rating per 16CFR 1610.

### Performance and Comfort Without Compromise

Some masks compromise breathability and barrier performance. Either breathability is reduced to achieve barrier or barrier is reduced for higher breathability. With Sierra™ masks you get both breathability and exceptional barrier performance. Sierra™ face masks provide excellent barrier protection for your controlled environment needs without compromising the comfort you want.

Test	Units	Target	Sierra™	Method
Bacterial Filtration Efficiency (BFE)	%	>95	98.4–99.7	ASTM F2101
Particle Filtration Efficiency (PFE)*	%	>90	98.4–99.5	ASTM F2299*
Pressure Drop (DP)	mm H <sub>2</sub> O/cm <sup>2</sup>	<2.5	2.0–2.2	ASTM F2101

\*Test method particle size 0.1 micron. Particles not neutralized.

Reported data is pre-sterilization.

**Note:** Sierra™ face masks should not be used for respiratory protection.

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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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### Customer Service:

United States 1-800-931-3456

Canada 1-800-387-9326

Mexico 01800 849 75 14 or 011 52 55 5722 1150

[www.ControlledEnvironments.DuPont.com](http://www.ControlledEnvironments.DuPont.com)



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