DuPont™ Sierra™

TECHNICAL DATA SHEET

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

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
- Allows worker to breathe easily
- Increases 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.

<table>
<thead>
<tr>
<th>Test</th>
<th>Units</th>
<th>Target</th>
<th>Sierra™</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacterial Filtration Efficiency (BFE)</td>
<td>%</td>
<td>&gt;95</td>
<td>98.4–99.7</td>
<td>ASTM F2101</td>
</tr>
<tr>
<td>Particle Filtration Efficiency (PFE)*</td>
<td>%</td>
<td>&gt;90</td>
<td>98.4–99.5</td>
<td>ASTM F2299*</td>
</tr>
<tr>
<td>Pressure Drop (DP)</td>
<td>mm H₂O/cm²</td>
<td>&lt;2.5</td>
<td>2.0–2.2</td>
<td>ASTM F2101</td>
</tr>
</tbody>
</table>

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

Reported data is for nonsterile masks. Sterile mask typical performance data available upon request. 

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

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