

Area Tested: Entire Face Covering  
 Airflow Rate: 85 ± 4 liters per minute (L/min)  
 Test Side: Outside  
 Test Set-Up: Sponsor supplied sample holder was sealed onto a metal plate and mounted in a chamber. The sample was placed within the sponsor supplied sample holder

Conditioning Parameters: 38 ± 2.5°C, 85 ± 5% relative humidity (RH) for 25 ± 1 hour

### Results:

Test Article Number	Corrected <sup>a</sup> Initial Airflow Resistance (mm H <sub>2</sub> O)	Initial Particle Penetration (%)	Filtration Efficiency (%)
1	5.9	1.84	98.16
2	6.3	2.72	97.28
3	6.3	1.80	98.20
4	6.1	1.83	98.17
5	6.7	1.66	98.34
6	6.2	2.31	97.69
7	6.6	1.91	98.09
8	6.0	2.59	97.41
9	6.8	2.46	97.54
10	6.3	1.51	98.49

<sup>a</sup> The final airflow resistance value for each test article was determined by subtracting out the background resistance from the system.

Barrier Face Covering Minimum Performance Requirements per ASTM F3502 Table 2:

Performance Property	Level 1 (Lower Performance)	Level 2 (Higher Performance)
Sub-Micron Particulate Filtration Efficiency	≥20 %	≥50 %
Airflow Resistance, Inhalation	≤15 mm H <sub>2</sub> O	≤5 mm H <sub>2</sub> O

Each Performance Property is Classified Separately; there are four possible sets of classifications. A barrier face covering can have:

- (1) Level 1 performance for both properties,
- (2) Level 1 performance in sub-micron particulate filtration efficiency and Level 2 performance in airflow resistance,
- (3) Level 2 performance in sub-micron particulate efficiency and Level 1 performance in airflow resistance, and
- (4) Level 2 performance for both properties.

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