

# Technical Specification Sheet

## 3M™ Particulate Respirator, 8233, N100

### Key Features

- NIOSH approved N100 rating
- Adjustable buckles
- Foam Face Seal
- Cool Flow™ Exhalation Valve
- Individually packaged

### Material Composition

- Straps – Braided Polyisoprene & Cotton/Polyester
- Buckles - Polypropylene
- Nose Clip – Aluminum
- Face Seal – Polyvinyl Chloride Foam
- Filter – Polypropylene
- Shell – Polyester
- Coverweb - Polypropylene
- Valve – Polypropylene & Polyisoprene
- This respirator contains no components made from natural rubber latex
- Approximate weight of product: 0.95 oz
- See the 3M Technical Bulletin - [Cellulose Certification - Filtering Facepiece Respirators](#) for information about which 3M respirators contain cellulose

### Country of Origin

Made in USA.

### Use For

- Use for solid particulates and liquid mists in concentrations not exceeding 10X PEL/OEL
- Always follow User Instructions and use in manners as indicated



### Do Not Use For

- DO NOT use for gases and vapors, oil aerosols, asbestos, or abrasive blasting
- DO NOT use for particulate concentrations exceeding 10X PEL/OEL
- DO NOT use in any manner not indicated in the User Instructions

### Approvals and Standards

- NIOSH approved N100 particulate respirator
- Meets NIOSH 42 CFR 84 N100 requirements for a minimum 99.97% filtration efficiency against solid and liquid aerosols that do not contain oil.
- NIOSH approval number: TC-84A-1298
- Assigned Protection Factor (APF 10) per US OSHA and Canada CSA

### Time Use Limitation

Replace the respirator when it becomes dirty, damaged, or difficult to breathe through.

### Shelf Life and Storage

- 5 years from the date of manufacture
- Store respirators in the original packaging, away from contaminated areas, dust, sunlight, extreme temperatures, excessive moisture, and damaging chemicals
- Store in temperatures between -4°F (-20°C) and +86°F (+30°C) and not exceeding 80% RH

### WARNING!

This respirator helps reduce exposures to certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. Follow all local regulations. In the U.S., a written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134, including training, fit testing and medical evaluation. In Canada, CSA standard Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. **Misuse may result in sickness or death.** For correct use, consult supervisor and the User Instructions, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.



### Acceptable Fit Test Protocols

Fit Test Protocol*		Acceptable with this product?
Qualitative Protocols	Saccharin	<input checked="" type="checkbox"/>
	Bitrex™	<input checked="" type="checkbox"/>
	Irritant Smoke	<input checked="" type="checkbox"/>
	Isoamyl Acetate	<input type="checkbox"/>
Quantitative Protocols**		<input checked="" type="checkbox"/>

\*Refer to OSHA 1910.134

\*\*A probed model – 8233Q (70-0707-9754-6) is available for quantitative fit testing



**Personal Safety Division**  
3M Center, Building 0235-2W-70  
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3M PSD products are occupational use only.

**For More Information**  
Technical Assistance 1-800-243-4630  
Hours of Operation: M-Th 8am - 6pm, Fri 8am - 4:30 pm CST  
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