

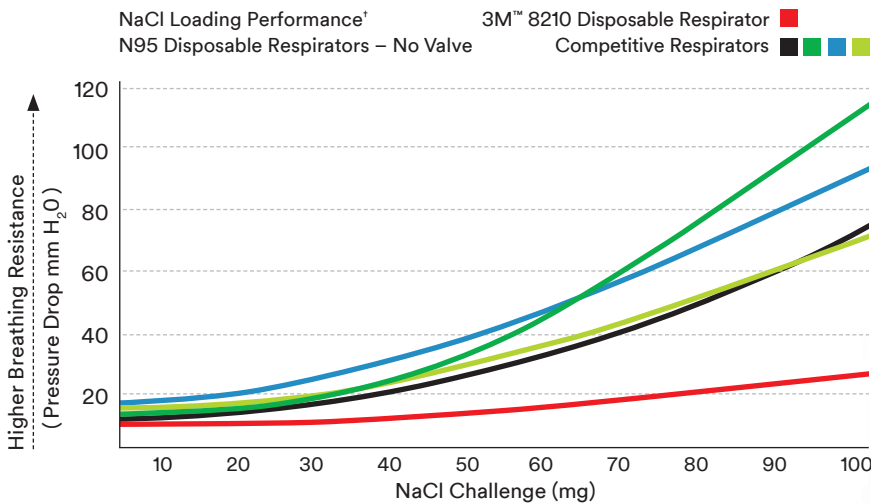
Advanced Electrostatic Media allowing you to breathe easier

At 3M we're developing respirators with unique filter media technology that are highly effective and comfortable to wear. Workers value this 3M advantage. In fact, in a 2012 blind study, workers rated 3M™ respirators as easier to breathe through when compared to others.*

Our same manufacturing process injects a high level of electrostatic charge into microfibers arranged in an open formation that allows for the greater passage of air through the media. These highly charged microfibers greatly enhance the capture of airborne particles and enable 3M to design respirators with reduced breathing resistance.

Experience greater comfort

The chart below demonstrates that 3M's Advanced Electrostatic Media (AEM), tested in the 8210 respirator, continues to have the lowest breathing resistance when compared to several competitive respirators.



*Loading with sodium chloride (NaCl) aerosol meeting NIOSH specifications at 85 L/min to 100 mg. Source: Representative loading performance from internal testing July 2012. The testing performed by 3M is not a part of the testing and certification conducted by NIOSH. Selection of respirator models, testing protocol, data generation and conclusions were reviewed and approved by an expert from the University of Minnesota.

*Based on research study by Burke, Inc. 2/2012 of 200 Safety Managers that used both 3M brand and other respirators.

Meeting the challenge

Highly charged microfibers enhance the capture of airborne particles while allowing you to breathe easier.



Illustration of 10,000x magnified electrostatically charged microfibers.

