

O2 Canada Product Specifications and Certifications

Filtration Tests and Certifications:

FILTRATION PERFORMANCE		
NaCl Penetration at 32 LPM	< 0.50%	Tested in accordance to TSI8130 NaCl 0.1 micron particle size
NaCl Efficiency at 32 LPM	> 99.50%	Tested in accordance to TSI8130 NaCl 0.1 micron particle size
Pressure Drop at 32 LPM	< 1.6 mm H ₂ O%	Tested in accordance to TSI8130 NaCl 0.1 micron particle size
BFE Efficiency	< 99.9992%	Tested in accordance to Spec MIL-M-36954C By Nelson Labs
VFE Efficiency	< 99.9970%	Tested in accordance to Spec MIL-M-36954C By Nelson Labs
Air Permeability*	< 125 CFM	Tested in accordance to ASTM Spec ASTM D373

- Material Specifications are in accordance with ASTM Standards for Evaluating Non-woven Textiles
- The tolerances are based on an average of data points taken in a defined area of the roll goods
- The specifications are void once the materials has been converted

In Partnership with the University of Waterloo,
Green Energy and Pollution Control Laboratory
<https://uwaterloo.ca/green-energy-pollution-control-research-lab/>



O₂ Canada
Canada Prosper Apparel Ltd.
O2 Canada
The Tannery – 151 Charles St. W
Kitchener, Ontario, Canada
www.o2canada.com

O2 Curve Testing at Nelson Laboratories LLC:



Test #1 Determination of Valve Leakage for Air-Purifying Respirators

PASSED

All test method acceptance criteria were met. The test articles submitted conform to the NIOSH criteria for exhalation valve leakage



Test #2 Determination of Inhalation and Exhalation Resistance for Air Purifying Respirators

PASSED

All test method acceptance criteria were met. The test articles submitted conform to this NIOSH criterion for airflow resistance.

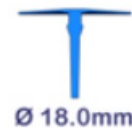
Testing was performed in compliance with US FDA good manufacturing practice (GM) regulations 21 CFR Parts 210, 211, and 820.

ALL FACILITIES ISO 9001:2008 CERTIFIED.

Manufacturing Vendor is SA8000 certified. Social Accountability Certification: SA 8000 is an international certification standard that encourages organizations to develop, maintain and apply socially acceptable practices in the workplace.

This ensures all factories are compliant and there is no child labour. This is one of the highest standards for CSR.

One Way Exhale Valves
Manufactured in the Netherlands:



Shin Etsu Medical Grade Silicone:
Made in Japan



Filter Manufactured by Superior
Felt Co. in Chicago USA

