FORNEY INDUSTRIES

KN95 NON-MEDICAL PROTECTIVE MASKS

NOW AVAILABLE!

FORNEY ITEM# 55974
5-PACK

FORNEY ITEM# 55977
10-PACK

FORNEY ITEM# 55978
50-PACK

FEATURES & BENEFITS:

- 3 dimensional shape, designed to increase breathing volume
- Filters out particles such as dust, droplets, pollen
- Light and environmentally friendly
- 5 layer filter in line with international FFP2 standards
- Adjustable nose wire for extra comfort
- Flat fold style allows for each storage & transport

See reverse side for Specifications, Testing and Compliances.

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KN95 VS N95 TESTING PARAMETERS AND COMPLIANCE FOR USE

The following summary table includes respirators certified as meeting these standards, and can be expected to function very similarly to one another based on the performance requirements stated in the standards and confirmed during conformity testing.

Certification/Class (Standard)	N95 (NIOSH-42C FR84)	KN95 (GB2626-20 06)
Filter Performance (must be ≥ X% efficient)	≥95%	≥ 95%
Test Agent	NaCl	NaCl
Flow Rate	85 L/min	85 L/min
Total Inward Leakage (TIL)	N/A	≤ 8% leakage
Inhalation Resistance-Max Pressure Drop [1]	≤ 343 Pa	≤ 350 Pa [2]
Inhalation Resistance-Max Pressure Drop [1]	≤ 245 Pa	≤ 250 Pa [2]
Flow Rate [3]	85 L/min	85 L/min
Exhalation Valve Leakage Requirement	Leak Rate ≤ 30 mL/min	Depressurization to 0 ≥
Force Applied	-234 Pa	-1180 Pa
CO2 Clearance Requirement	N/A	≤ 1%

Based on the above comparison, it is reasonable to consider the KN95 "similar" to US NIOSH N95 for filtering non-oil-based particles which has been authenticated and verified by the FDA per Appendix A, dtd. August 12, 2020.

1 Pressure drop also relates to the breathability and comfort of the mask. 3M Breathe easier, knowing your protection. *https://multimedia.3m.com/mws/media/900680O/3m-breathe-easier-healthcare-disposable-respirator.pdf*

2 "Although this appears to suggest that the standards' requirements for breathing resistance (also called "pressure drop") differ from each other, it's important to understand that pressure drop across any filter will naturally be higher at higher flow rates and lower, the standards' various pressure drop requirements are actually quite similar". 3M Technical Bulleting, Comparison of FFP2, KN95 and N95 and Other Filtering Facepiece Respirator Classes., May 2020, Revision 4 *3M Technical Bulleting, Comparison of FFP2, KN95 and N95 and Other Filtering Facepiece Respirator Classes., May 2020, Revision 4*

3 Flow Rate is a factor of adequate respirator performance. Air flow rate through filters and face masks is one important determinant of the final protection factor of a respiratory protective device in use. *The Annals of Occupational Hygiene, Volume 51, Issue 3, April 2007, 15 March 2007*

Appendix A: Authorized Imported, Non-NIOSH Approved Respirators Manufactured in China (Updated: August 12, 2020)