

# SAFEST BREATHABLE MATERIALS TO USE WHEN MAKING MASKS

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## MATERIALS TO USE IN ORDER OF FILTRATION EFFICIENCY <sup>1</sup>

- 1 Double-knit Cotton
- 2 Single-knit Cotton
- 3 Quilting Cotton
- 4 Knit Polyester Spandex
- 5 Silk
- 6 Thin Polyester Satin
- 7 Knit Nylon



All of these materials have been tested after laundering in high heat for 10 cycles



Synthetic material like nylon, polyester satin, knit polyester spandex is best used on the outer layer of the mask for improved water resistance.<sup>2</sup>

## FILTERS TO USE THAT ACHIEVE HIGHER EFFICIENCY <sup>1</sup>

1

**HALYARD  
1 PLY**

EFFECTIVE AS A COMMERCIAL NON-MEDICAL MASK

2

**DRIED BABY WIPE  
3 PLY**

3

**DRIED BABY WIPE  
1 PLY  
OR  
BOUNTY PAPER TOWEL  
2 PLY**

1 PLY DRIED BABY WIPE  
OR 2 PLY BOUNTY PAPER TOWEL WILL **IMPROVE**  
FILTRATION EFFICIENCY BY

**50%**

WHILE STILL REMAINING BREATHABLE

**REMINDER**

MASKS ARE MEANT TO COMPLIMENT,  
NOT REPLACE  
**HAND WASHING AND SOCIAL DISTANCING.**



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WORKERS**

SOURCES:

1 - [freemaskprojectvancouver.com/what-fabric-should-i-use-for-my-cloth-mask](https://freemaskprojectvancouver.com/what-fabric-should-i-use-for-my-cloth-mask)

2 - [who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public/when-and-how-to-use-masks](https://who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public/when-and-how-to-use-masks)