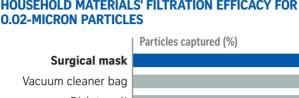
## Filtration efficacy is not everything In comparison tests, a mask made from a vacuum cleaner

bag is near impossible to breathe through. Findings show that a double-layered 100% cotton T-shirt is the most

## practical DIY mask material with balanced filtration efficacy and breathability.

HOUSEHOLD MATERIALS' FILTRATION EFFICACY FOR 0.02-MICRON PARTICLES





Dish towel\* Cotton blend Antimicrobial pillowcase\*



Silk

Scarf\*

Breathability compared to surgical mask (%)

**Easier than** 

surgical mask Harder than

surgical mask

100% cotton T-shirt

VS SURGICAL MASK













Pillowcase\*

Scarf\*

Linen

Silk

100% cotton T-shirt













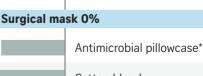
26

89

86







STRAITS TIMES GRAPHICS

- Dish towel\*
- Vacuum cleaner bag
- -17-18 Cotton blend

100% cotton T-shirt (two layers)

- -38

- -95
- \*Type of material not specified in study. Source: DISASTER MEDICINE AND PUBLIC HEALTH PREPAREDNESS, UK