

# 3M™ MicroPES™ Flat Membrane Type 2F

## Chemical Composition

Polymer	Polyethersulfone
Wetting property	Hydrophilic

## Physical Properties

Thickness	110 ± 10 µm (4.3 ± 0.4 mil)
<b>Tensile strength</b>	
Longitudinal	≥ 900 cN/15 mm
Transversal	≥ 800 cN/15 mm
<b>Elongation at break</b>	
Longitudinal	≥ 25%
Transversal	≥ 30%
Change of length (steam, 121 °C)	≤ 3 %

## Membrane Performance Characteristics

Bubble point (in water)	4.3 ± 0.54 bar (62.4 ± 7.8 psi)
Transmembrane flow (water, 25 °C)	≥ 35 ml/(min cm² bar) (≥ 2241 ml/(min ft² psi)) (≥ 15.57 ml/(min in² psi))
Retention of bacteria ( <i>Brevundimonas diminuta</i> )	≥ 7 log/cm² reduction value

## Available Make-up Configurations

### Rolls

All specifications are based on 3M internal test procedures.

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