

# 3M™ DuraPES™ 201 Series Flat Sheet Membrane

## Chemical Composition

Polymer	Polyethersulfone
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## Physical Properties

Thickness	m 140 ± 10 µm (m 5.5 mil ± 0.39 mil)
<b>Tensile strength</b>	
Longitudinal	≥700 cN / 15 mm
Transversal	≥650 cN / 15 mm
<b>Elongation at break</b>	
Longitudinal	≥ 20%
Transversal	≥ 20%
<b>Change of length (steam, 121 °C)</b>	≤ 3 %

## Membrane Performance Characteristics

Bubble point (water, 25 °C)	m 4.8 bar ± 0.5 bar (m 69.6 psi ± 7.3 psi)
Transmembrane flow (water, 25 °C)	≥ 45 ml/(min cm <sup>2</sup> bar) (≥ 2882 ml / (min ft <sup>2</sup> psi)) (≥ 20.02 ml/(min in <sup>2</sup> psi))
Retention of Bacteria	≥ 7 log/cm <sup>2</sup> reduction value

## Intended use

Microfiltration

## Available Make-up Configurations

Rolls

All specifications are based on 3M internal test procedures.

m = mean value

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