

# 3M™ Flat Membrane MicroPES™ Series Type 2F PH

Chemical Composition	
Polymer	Polyethersulfone
Wetting property	Hydrophilic

Physical Properties	
Thickness	110 ± 10 µm (4.3 ± 0.4 mil)
Tensile strength	
Longitudinal	≥ 900 cN/15 mm
Transversal	≥ 800 cN/15 mm
Elongation at break	
Longitudinal	≥ 25%
Transversal	≥ 30%
Burst pressure	≥ 1.3 bar (≥ 18.9 psi)
Change of length (steam, 121 °C)	≤ 3%

Membrane Performance Characteristics	
Bubble point (in water)	4,5 ± 0,6 bar (65.3 ± 8.7 psi)
Transmembrane flow (water, 25 °C)	≥ 25 ml/(min cm² bar) (≥ 1600 ml/(min ft² psi)) (≥ 11.12 ml/(min in² psi))
Retention of bacteria ( <i>Brevundimonas diminuta</i> )	≥ 7 log reduction value

Available Make-up Configurations	
Rolls	

All specifications are based on 3M internal test procedures.

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