

3M™ MicroPES™ Flat Membrane Type 5F

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%
Change of length (steam, 121 °C)	≤ 3 %

Membrane Performance Characteristics

Bubble point (in water)	2.3 ± 0.25 bar (33.4 ± 3.6 psi)
Transmembrane flow (water, 25 °C)	≥ 90 ml/(min cm ² bar) (≥ 5765 ml/(min ft ² psi)) (≥ 40.03 ml/(min in ² psi))

Available Make-up Configurations

Rolls

All specifications are based on 3M internal test procedures.

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