

3M™ MicroPES™ Flat Membrane Type 6F

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)	1.9 ± 0.42 bar (27.6 ± 6.1 psi)
Transmembrane flow (water, 25 °C)	≥ 90 ml/(min cm² bar) (≥ 5765 ml/(min ft² psi)) (≥ 40.03 ml/(min in² psi))
Retention of yeast (<i>Sacch. cerevisiae</i>)	≥ 7 log/cm² reduction value

Available Make-up Configurations	
Rolls	

All specifications are based on 3M internal test procedures.

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3M
Separation and Purification
Sciences Division
13840 South Lakes Drive
Charlotte, North Carolina
28273 USA
Phone: +1 704 587 8888
Fax: +1 704 587 8610

3M Deutschland GmbH
Separation and Purification
Sciences Division
Öhder Straße 28
42289 Wuppertal
Germany
Phone: +49 202 6099 - 0
Fax: +49 6099 - 241