

3M™ MicroPES™ Flat Membrane Type 5F M

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 cm² bar) (≥ 3843 ml/(min ft² psi)) (≥ 26.7 ml/(min in² psi))

Available Make-up Configurations

All specifications are based on 3M internal test procedures.

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