



3M™ Membrana™ DuraPES®

Hydrophilic Flat Membrane, Type 200 iv

General	
Intended use	Microfiltration
Available make-up configuration	Rolls

Chemical Composition	
Polymer	Polyethersulfone

Membrane Performance Characteristics	
Bubble point (water, 25 °C)	m 4.8 bar (≈69.6 psi) ± 0.5 bar (≈7.3 psi)
Transmembrane flow (water, 25 °C)	≥ 45 ml/(min cm ² bar) ≥ 2882.60 ml/(min sq ft psi) ≥ 20.02 ml/(min sq in psi)
Retention of bacteria (<i>Brevundimonas diminuta</i>)	≥7 log reduction value

Typical Physical Properties		
Thickness	m 140 μm (≈5.512 mil) ± 10 μm (≈0.394 mil)	
Tensile strength	longitudinal	≥550 cN / 15 mm
	transversal	≥450 cN / 15 mm
Elongation at break	longitudinal	≥10%
	transversal	≥15%
Change of length	(steam, 121 °C) ≤ 3%	

m = mean value

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