

MicroPES® 2F iv

DATA SHEET

Sheet No. 426/9072/000 of 03/11
Supersedes 426/9072/000 of 12/04

Hydrophilic Flat Membrane Type 2F iv

The intended use is Infusion therapy

Chemical Composition	Polymer	Polyethersulfone
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Physical Properties

Test Reference No.

Thickness	m 110 µm (≈ 4.331 mil) ± 10 µm (≈ 0.394 mil)	701/013
Tensile strength		
longitudinal	≥ 900 cN/15mm	701/012
transversal	≥ 800 cN/15mm	
Elongation at break		
longitudinal	≥ 25 %	701/012
transversal	≥ 30 %	
Burst pressure	≥ 1.0 bar (≈ 14.5 psi)	701/004
Change of length (steam, 121°C)	≤ 3 %	701/027

Membrane Performance Characteristics

Bubble point (in water, 25°C)	m 4.3 bar (≈ 62.4 psi) ± 0.54 bar (≈ 7.8 psi)	701/008
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)	701/046
Retention of bacteria (Brevundimonas diminuta)	≥ 7 log red.value	703/023

Available Make-up Configurations

Rolls

m = mean value

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