

MicroPES® 12F iv

DATA SHEET

Sheet No. 426/0049/000 of 08/12
Supersedes 426/0049/000 of 03/11

Hydrophilic Flat Membrane Type 12F iv

The intended use is Infusion therapy

Chemical Composition Polymer Polyethersulfone

Physical Properties

Test Reference No.

Thickness	m 110 µm (≈ 4.331 mil) ± 10 µm (≈ 0.394 mil)	701/067
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)	m 0.83 bar (≈12.0 psi) ± 0.15 bar (≈ 2.2 psi)	701/008
Transmembrane flow (water, 25 °C)	≥ 360 ml/(min cm ² bar) ≥ 23060.80 ml/(min sq ft psi) ≥ 160.14 ml/(min sq in psi)	701/046
Retention of yeast (Candida albicans)	≥ 7 log red.value	703/023

Available Make-up Configurations

Rolls

m = mean value

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