

MicroPES® 4F

DATA SHEET

Sheet No. 461/9057/000 of 08/12
Supersedes 461/9057/000 of 03/11

Hydrophilic Flat Membrane Type 4F

The intended use is microfiltration

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 bar (≈ 14.5 psi)	701/004
Change of length (steam, 121 °C)	≤ 3 %	701/027

Membrane Performance Characteristics

Bubble point (in water)	m 3.0 bar (≈ 43.5 psi) ± 0.25 bar (≈ 3.6 psi)	701/008
Transmembrane flow (water, 25 °C)	≥ 60 ml/(min cm ² bar) ≥ 3843 ml/(min sq ft psi) ≥ 26.69 ml/(min sq in psi)	701/046
Retention of bacteria (Serratia marcescens)	≥ 7 log reduction value	703/023

Available Make-up Configurations

Rolls

m = mean value

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