

MicroPES® 2F

DATA SHEET

Sheet No. 461/9056/000 of 03/11
Supersedes 461/9056/000 of 12/04

Hydrophilic Flat Membrane Type 2F

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)	701/013
Tensile strength		
	longitudinal ≥ 900 cN/15mm transversal ≥ 800 cN/15mm	701/012
Elongation at break		
	longitudinal ≥ 25 % transversal ≥ 30 %	701/012
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 4.3 bar (≈ 62.4 psi) ± 0.54 bar (≈ 7.8 psi)	701/008
Transmembrane flow (water, 25°C)	≥ 35 ml/(min cm ² bar) ≥ 2.242 ml/(min sq ft psi) ≥ 15.57 ml/(min sq in psi)	701/046
Retention of bacteria (Brevundimonas diminuta)	≥ 7 log reduction value	703/023

Available Make-up Configurations

Rolls

m = mean value

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