

MicroPES® 12F

DATA SHEET

Sheet No. 461/9088/000 of 03/11
Supersedes 461/9088/000 of 12/04

Hydrophilic Flat Membrane Type 12F

The intended use is microfiltration

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)	m 1.05 bar (≈ 15.2 psi) ± 0.25 bar (≈ 3.6 psi)	701/008
Transmembrane flow (water, 25°C)	≥ 260 ml/(min cm ² bar) ≥ 16654 ml/(min sq ft psi) ≥ 115.7 ml/(min sq in psi)	701/046

Available Make-up Configurations

Rolls

m = mean value

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