

# MicroPES® 1F PH

## DATA SHEET

Sheet No. 461/9065/000 of 08/12  
Supersedes 461/9065/000 of 03/11

### Hydrophilic Flat Membrane Type 1F PH

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	≥ 800 cN/15mm	701/012
transversal	≥ 700 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 iso-propylalcohol)	m 2.8 bar (≈ 40.6 psi) ± 0.45 bar (≈ 6.5 psi)	711/065
Transmembrane flow (water, 25 °C)	≥ 4 ml/(min cm <sup>2</sup> bar) ≥ 256.2 ml/(min sq ft psi) ≥ 1.779 ml/(min sq in psi)	701/046

### Available Make-up Configurations

Rolls

*m = mean value*

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