

# MicroPES® 4F toa

## DATA SHEET

Sheet No. 426/0054/000 of 03/11  
Supersedes 426/0054/000 of 12/04

### Hydrophilic Flat Membrane Type 4F toa

The intended use is Treatment of Atherosclerosis

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

### Available Make-up Configurations

Rolls

*m = mean value*

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